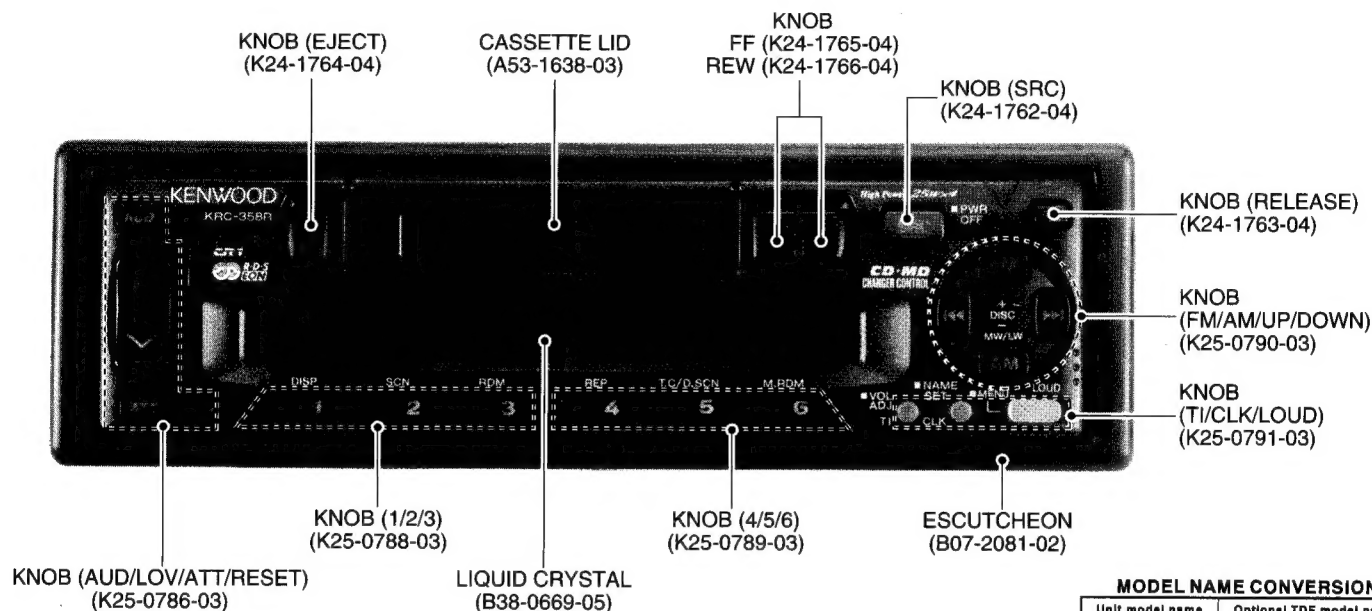


# CASSETTE RECEIVER

# KRC-10RA/G KRC-158RA/G KRC-30RA/G KRC-358RA/G SERVICE MANUAL

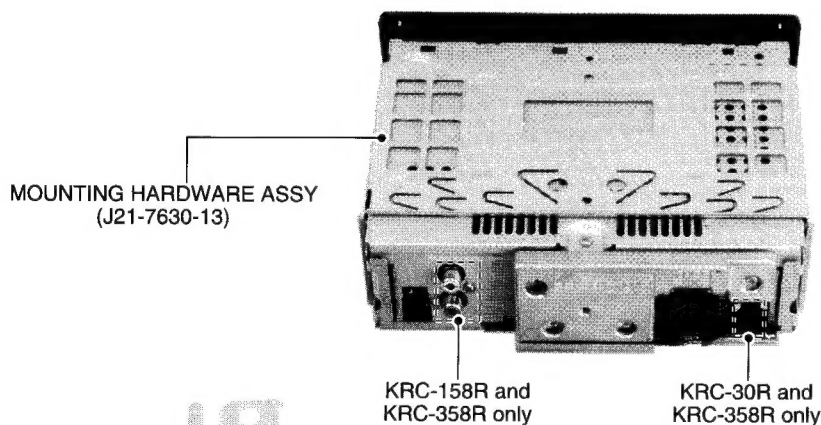
# KENWOOD

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B51-7142-00(K) 2270

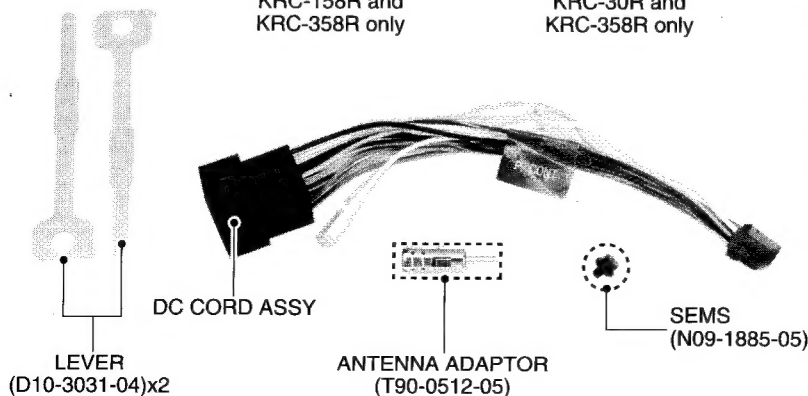


## MODEL NAME CONVERSION

Unit model name	Optional TDF model name
KRC-10RA	TDF-358A
KRC-158RA	
KRC-30RA	
KRC-358RA	
KRC-10RG	TDF-358G
KRC-158RG	
KRC-30RG	
KRC-358RG	



PLASTIC CABINET ASSY (A02-1444-03)



## IMPORTANT INFORMATION

You cannot connect the unit directly to the following CD automatic changers. For users who want to use older changers with the unit, follow the directions below according to the type of changer you own:

- KDC-C200 / KDC-C300 / KDC-C400  
Use the extension cable and the control box attached to the CD changer, and the optional CA-DS100 converter cable.
- KDC-C301 / KDC-C600 / KDC-C800 / KDC-C601 / KDC-C401  
Use the extension cable attached to the CD changer, and the optional CA-DS100 converter cable.
- C705i / C705si  
Use the extension cable attached to the CD changer, and the optional CA-K300 converter cable.
- KDC-C100 / KDC-C302 / C205 / C705 / non-Kenwood CD changers  
Cannot be used with this model.

## CONTENTS

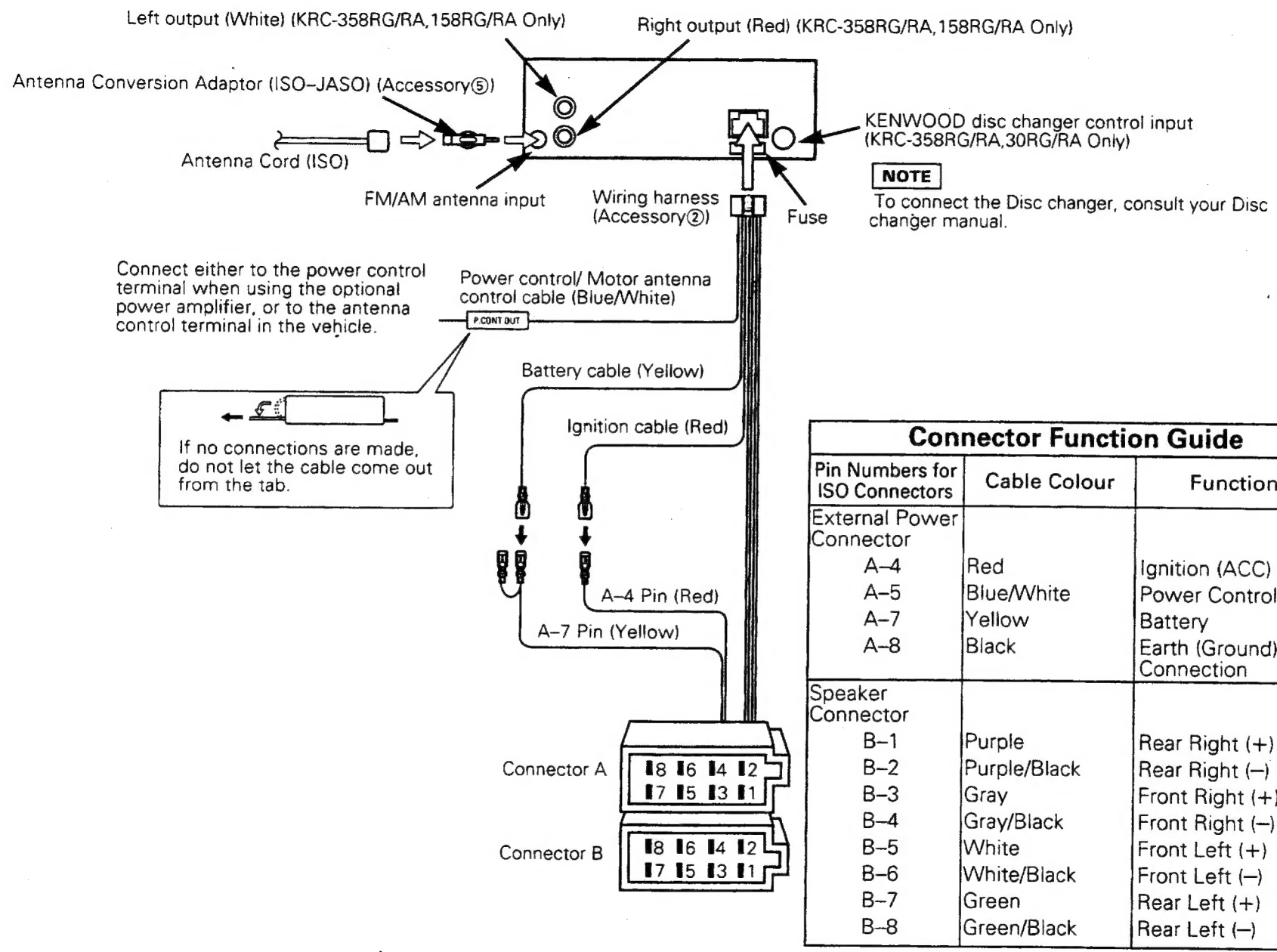
ERROR MESSAGES .....	2	ADJUSTMENT POINT VIEW .....	11
CONNECTING CABLES TO TERMINALS .....	3	ADJUSTMENT / EINSTELLUNGEN (MECHA.) .....	12
MENU SYSTEM .....	4	PC BOARD .....	13
BLOCK DIAGRAM .....	5	SCHEMATIC DIAGRAM .....	15
FM/AM FRONT-END SCHEMATIC (X14-)A1 .....	6	EXPLODED VIEW .....	23
COMPONENTS DESCRIPTION .....	7	PARTS LIST .....	26
CIRCUIT DESCRIPTION (X14-)IC1: u-COM .....	8	SPECIFICATIONS.. .....	Back cover
ADJUSTMENT / EINSTELLUNGEN .....	10		

## ERROR MESSAGES

The following messages are displayed when certain problems are occurring in your system. Take the recommended actions.

EJECT	No disc magazine has been loaded in the changer. The disc magazine is not completely loaded. ⇒ Load the disc magazine properly.
NO DISC	No disc has been loaded in the disc magazine. ⇒ Load a disc into the disc magazine.
E-04	No disc has been loaded in the disc magazine. ⇒ Load a disc into the disc magazine. The CD is very dirty. The CD is upside-down. The CD is scratched a lot. ⇒ Clean the CD and load it correctly.
BLANK	Nothing has been recorded on the MD. ⇒ The next MD is automatically played back
NO TRACK	No tracks are recorded on the MD, although it has a title. ⇒ The next MD is automatically played back.
E-77 E-99	The unit is malfunctioning for some reason. ⇒ Press the reset button on the unit. If the "E- 77"/ "E- 99" code does not disappear, consult your nearest service centre.
HOLD	The protective circuit in the unit activates when the temperature inside the automatic disc changer exceeds 60°C (140°F), stopping all operation. ⇒ Cool down the unit by opening the windows or turning on the air conditioner. As the temperature falls below 60°C (140°F), the disc starts playing again.

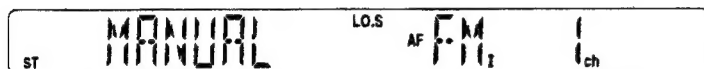
# KRC-10R, 158R, 30R, 358R CONNECTING CABLES TO TERMINALS



## Menu System

To accommodate a greater number of functions, a menu system has been employed for making settings. Press the MENU button to enter the menu mode and then display the function to make the setting. Details on each setting are explained separately in the corresponding function page.

- 1 Hold down the MENU button for one second or more.  
"MENU" is displayed when the menu mode is entered.  
The function that you can adjust is indicated with the current settings displayed.
- 2 **Selecting function to set**  
Press the ►► button to search through the functions until you see the one you want to adjust in the display.  
Press the ◄◄ button to search through the functions backward.  
Example: If you want to switch the tuning mode from manual to automatic, first search through the functions until you see "MANUAL" in the display.



### 3 Changing setting for currently displayed function

Press either the AM or FM button.  
The setting will change for each function.  
Example: The tuning mode will switch from manual to automatic, and "AUTO" is displayed.



With the programme type function and the auto memory function, the function will start to activate.

#### NOTE

To use the auto memory function, hold down either the AM or FM button for two seconds or more.

Function	Varieties of settings for each function (display)
Disabled System Indicator	DSI ON ↔ DSI OFF
News Bulletin Function	NEWS 00M ↔ NEWS OFF
Local seek	LO.S ON ↔ LO.S OFF
Selecting Tuning Mode	AUTO ↔ MANUAL
Auto Memory Entry	A-MEMORY (start)
*AF Function	AF ON ↔ AF OFF
*Region Restrict Function	REG ON ↔ REG OFF
*Auto TP Seek	ATPS ON ↔ ATPS OFF
*Monaural Reception	MONO ON ↔ MONO OFF
*Programme Type	PTY (start)

### 4 Ending the menu mode

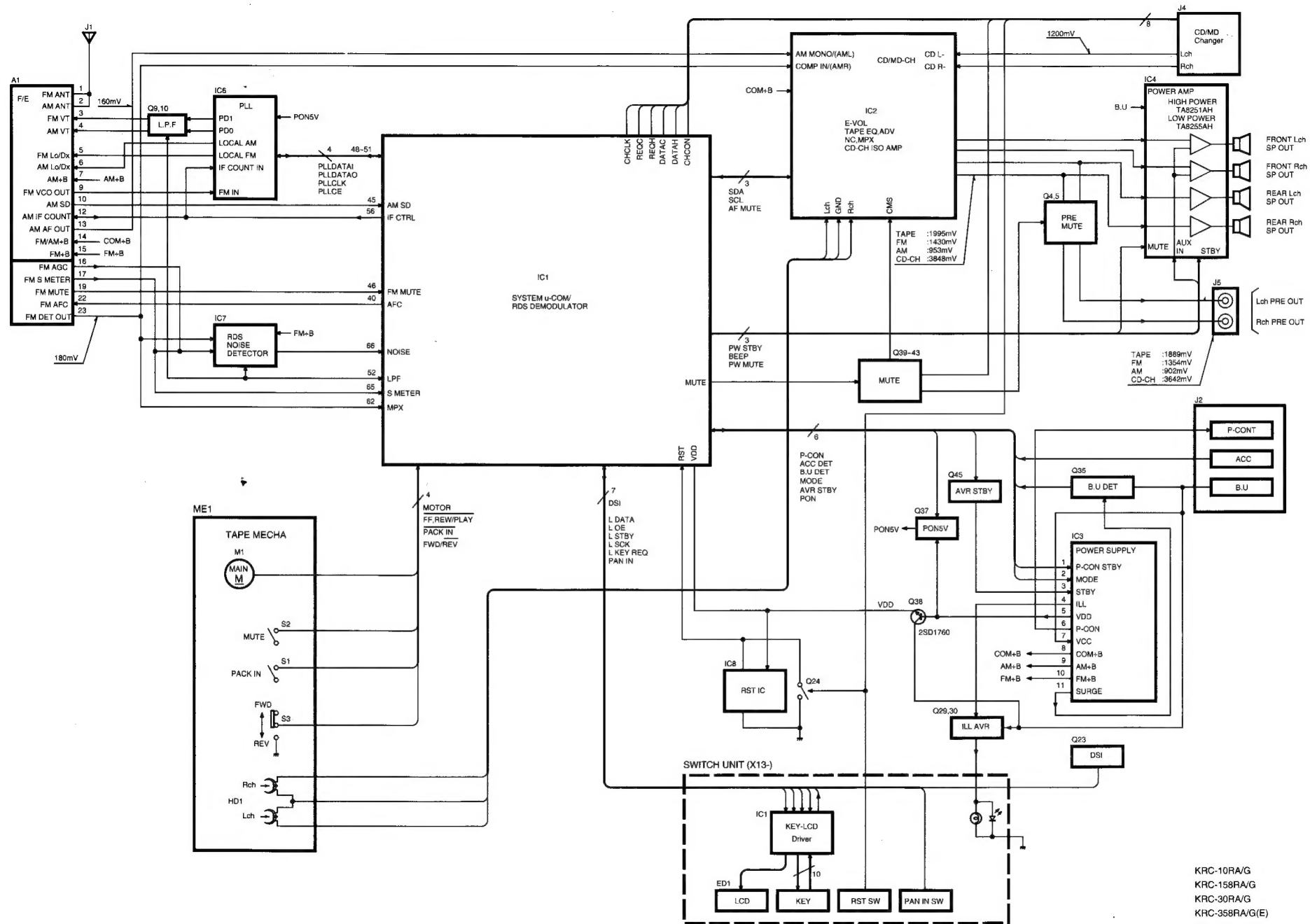
Press the MENU button.

#### NOTE

- Make sure to end the menu mode when finished. If you fail to end the menu mode, several functions may not operate properly, including the Traffic Information function, the News Bulletin function with PTY news timeout setting, and the Alarm function.
- Some tuner functions will not be displayed unless you are currently listening to the tuner.
- Functions marked with an asterisk (\*) cannot be used during AM reception.
- The News function turns on when the setting is made for the news interruption interval. The "00M" display indicates the setting selected for the news interruption timeout interval.

# KRC-10R, 158R, 30R, 358R

## BLOCK DIAGRAM



KRC-10R/G  
KRC-158R/G  
KRC-30R/G  
KRC-358R/G(E)

# FM/AM FRONT-END SCHEMATIC

KRC-10RA/G, KRC-158RA/G,  
KRC-30RA/G, KRC-358RA/G (E)



# KRC-10R,158R,30R,358R

## COMPONENTS DESCRIPTION

### SYNTHESIZER UNIT (X14-5522-7X)

Ref. No.	Function	Operation
IC1	System control u-COM	
IC2	Electronic volume IC	EQ amp, E-vol, NC/MPX, CH-ISO, T.ADV, Bass.
IC3	Power supply IC	
IC4	4ch Power amp (HI/LOW)	
IC5	Analog SW	
IC6	PLL frequency synthesizer	
IC7	RDS noise detection amp	
IC8	Reset IC	
Q1	CRSC SW	"ON" when multi pass noise is detected.
Q2	Muting SW	Turned on by u-COM (Pin 57).
Q3	Muting SW	"ON" when Q2 or Q42 is turned on.
Q4, 5	Muting SW	"ON" when Q41 is turned on.
Q6	L.P.F. SW	Control of IC5. Turned by u-COM (Pin 52).
Q7	Constant current driver	
Q9	FM Vt, L.P.F.	
Q10	AM Vt, L.P.F.	
Q12	Muting SW	Controlled by Q13.
Q13	Muting SW control	Turned on by u-COM(Pin 40).
Q14	Muting SW	Controlled by Q13.
Q15	FM Muting SW	Control of u-COM (Pin 46).
Q16, 17	Schmitt trigger circuit	
Q18	FM composite buffer	
Q19	Noise buffer	
Q20	PIAFC SW	Controlled by Q21.
Q21	PIAFC SW	Turned on by u-COM (Pin 52).
Q22	Panel 5V driver	"ON" when panel is attached.
Q23	DSI driver	Controlled by u-COM (Pin 28).
Q24	Reset SW	"ON" when Reset SW is pushed.
Q27	Motor SW	Turned on by u-COM (Pin 17).
Q28	Motor driver	"ON" when Q27 is turned on.
Q29, 30	Illumination AVR	Turned on by Power supply IC (Pin 4).
Q35	Back-up detection	"ON" when back-up voltage is detected.
Q36	Back-up 5V driver	Turned on by Power supply IC (Pin 5).
Q37	P.ON 5V SW	Turned on by u-COM (Pin 75).
Q38	P.ON 5V driver	"ON" when Q37 is turned on.
Q39	Muting SW	Controlled by CD-CH.
Q40	Muting SW	"ON" when Q35 is turned off.
Q41	Muting SW	Controlled by Power supply IC (Pin 11) or Q49.
Q42	Muting SW	Controlled by u-COM (Pin 58), Q39 or Q43.
Q43	Muting SW	"ON" when Reset SW is pushed.
Q44	A.G.C. buffer	
Q45	Power supply IC standby control	"ON" when power is "OFF".
Q47	Beep SW	Controlled by u-COM (Pin 80).
Q48, 49	Protection prohibition circuit	

### SWITCH UNIT (X13-8972-7X)

Ref. No.	Function	Operation
IC1	LCD Driver with Key input	

# KRC-10R,158R,30R,358R

## CIRCUIT DESCRIPTION

### (X14-) IC1 : SYSTEM $\mu$ -COM

PIN No.	PIN NAME	I/O	FUNCTION	PORT LOGIC	POWER OFF
1	GNDP	–	OUTPUT BUFFER GND		
2	VDDP	–	OUTPUT BUFFER POWER SUPPLY		
3	OSCOU	O	OSCILLATOR OUTPUT		
4	OSCIN	I	OSCILLATOR OUTPUT		
5	DATAH	O	5-LINE COMMUNICATION DATA HEAD UNIT		LAST HELD
6	DATAC	I	5-LINE COMMUNICATION DATA DISC-CH		Hi-Z
7	CHCLK	I	5-LINE COMMUNICATION CLOCK DISC-CH		Hi-Z
8	GND	I	GND		Hi-Z
9	REQH	O	5-LINE COMMUNICATION REQUEST HEAD UNIT		H
10	CHCON	O	DISC-CH CONTROL	ON : H OFF : L	L
11	–	–	NO CONNECTION		L
12	–	–	NO CONNECTION		L
13	PACK IN	I	TAPE PACK IN	H : EJECT L : PACK IN	Hi-Z
14	FF, REW/PLAY	I	TAPE FF/REW	H : PLAY L : FF/REW	Hi-Z
15	–	–	NO CONNECTION		L
16	–	–	NO CONNECTION		
17	MOTOR	O	TAPE MAIN MOTOR	ON : H OFF : L	L
18	–	–	NO CONNECTION		
19	SCL	O	I2C BUS CLOCK		OPEN
20	SDA	I/O	I2C BUS DATA		OPEN
21	RESET	I	HARD RESET	ACTIVE "L"	
22	VPP	I	$\mu$ -COM TEST MODE (NORMAL OPE. : L, LEVEL FIXED)		
23	VDD	–	LOGIC CIRCUIT POWER SUPPLY		
24	GND	–	LOGIC CIRCUIT GND		
25	REQC	I	5-LINE COMMUNICATION REQUEST DISC-CH		Hi-Z
26	–	–	NO CONNECTION		L
27	–	–	NO CONNECTION		L
28	DSI	O	DSI	DSI ON : H DSI OFF : L	
29	L OE	O	LCD DRIVER ALL SEGMENTS ENABLE	SEGMENT ON : H SEGMENT OFF : L	PANEL OUT : L
30	L STB	O	LCD DRIVER STROBE		L
31	L SCK	O	LCD DRIVER CLOCK		L
32	L DATA	I/O	LCD DRIVER DATA		PANEL IN : H PANEL OUT : L
33	L KEYREQ	I	LCD DRIVER KEY REQUEST		Hi-Z
34	PANIN	I	PANEL IN DETECTION	H : PANEL OUT L : PANEL IN	Hi-Z
35	SEL3	I	PREOUT DETECTION	H : PREOUT BEING L : NO PREOUT	Hi-Z
36-39	–	–	NO CONNECTION		L
40	AFC	O	TUNER FM AFC	RECEIVING : H SEARCHING : L	L
41	GNDP	–	OUTPUT BUFFER GND		
42	VDDP	–	OUTPUT BUFFER POWER SUPPLY		
43	ACC	I	ACC	1.27V (TH)	
44	B.U.	I	VDD VOLTAGE DETECTION	3.0V (TH)	
45	AMSD	I	TUNER AM SD	H : STATION BEING L : NO STATION	Hi-Z



# KRC-10R,158R,30R,358R

## CIRCUIT DESCRIPTION

### (X14-) IC1 : SYSTEM $\mu$ -COM

PIN No.	PIN NAME	I/O	FUNCTION	PORT LOGIC	POWER OFF
46	FMMUTE	I	TUNER FM BAND MUTE	H : STATION BEING L : NO STATION	Hi-Z
47	—	—	NO CONNECTION		L
48	P DI	I	PLL IC DATA INPUT		Hi-Z
49	P DO	O	PLL IC DATA OUTPUT		L
50	P CL	O	PLL IC CLOCK		L
51	P CE	O	PLL IC CHIP ENABLE		L
52	LPF	O	TUNER FM LPF	RECEIVING : H SEARCHING : L	L
53	SEL1	I	MODEL DISCRIMINATION	H : KRC-30R/358R L : KRC-10R/158R	Hi-Z
54	SEL2	I	NO CONNECTION	L FIXED	Hi-Z
55	—	—	NO CONNECTION		L
56	IF CTRL	O	TUNER AM IF CONTROL	NO IF CONT : OPEN IF CONT. : L	OPEN
57	AFMUTE	O	TUNER FM AF QUICK MUTE	OFF : OPEN ON : L	OPEN
58	MUTE	O	MUTE	OFF : OPEN ON : L	OPEN (10 SEC.LATER)
59	RDSCOMP	I	RDS COMPOSITE INPUT		
60	RDSFIL	O	RDS FILTER OUTPUT		
61	RDSREF	I	RDS REFERENCE INPUT		
62	MPX	I	RDS INPUT SIGNAL		
63	VDDA	—	ANALOG POWER SUPPLY		
64	GNDA	—	ANALOG GND		
65	SMETER	I	TUNER FM S-METER	0.5V (TH)	Hi-Z
66	NOISE	I	TUNER FM NOISE		Hi-Z
67	P MUTE	O	POWER MUTE	ON : H OFF : L	L
68	FWD/REV	I	TAPE PLAY DIRECTION	H : FWD L : REV	Hi-Z
69	TESTMODE	O	TEST MODE ON	TEST MODE ON : H TEST MODE OFF : L	L
70	—	—	NO CONNECTION		L
71	BUP	I	BACK UP	H : OFF L : ON	Hi-Z
72	PW STBY	O	POWER IC STANDBY	ON : H OFF : L	L
73	FM/AM	O	TUNER FM/AM SELECT	AM+B : H FM+B : L	L
74	AVR STBY	O	AVR STANDBY	PWR OFF : H PWR ON : L	L
75	PON	O	POWER ON 5V	ON : H OFF : L	L
76	PCON	O	POWER CONTROL	ON : H OFF : L	L
77	RDSCLK	O	RDS CLOCK OUTPUT		L
78	RDSDATA	O	RDS DATA OUTPUT		L
79	—	—	NO CONNECTION		L
80	BEEP	O	BEEP		L

# KRC-10R,158R,30R,358R

## ADJUSTMENT

Set the controls and switches as follows.

BALANCE :center position LOUD :OFF  
 FADER :center position LOCAL :OFF  
 BASS :center position AUTO :OFF  
 TREBLE :center position

NO	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER)	ALIGNMENT POINTS	ALIGN FOR	FIG.
<b>FM SECTION</b>							
1	DISCRIMINATOR	(A) 98.1MHz 0dev 60dBμ (ANT input)	Connect a DC voltmeter to TP1 (A1, X14-)	FM 98.1MHz	T1 (A1, X14-)	0V	(a)
2	ANRC (STOP LEVEL)	(C) 98.1MHz 1kHz, ±40kHz dev Pilot: ±6.0kHz dev Selector: L or R 35dBμ (ANT input)	(B)	FM 98.1MHz	VR1 (X14-)	Separation 10dB	
<b>AM SECTION</b>							
(1)	STOP LEVEL	(D) 990kHz 400Hz 30% mod 35dBμ (ANT input)	-	AM 990kHz	VR1 (A1, X14-)	STOP	
<b>CASSETTE DECK SECTION</b>							
[1]	AZIMUTH	MTT-114 10kHz	(B)	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each Lch/Rch or FWD/RVS becomes maximum	(b)

## EINSTELLUNGEN

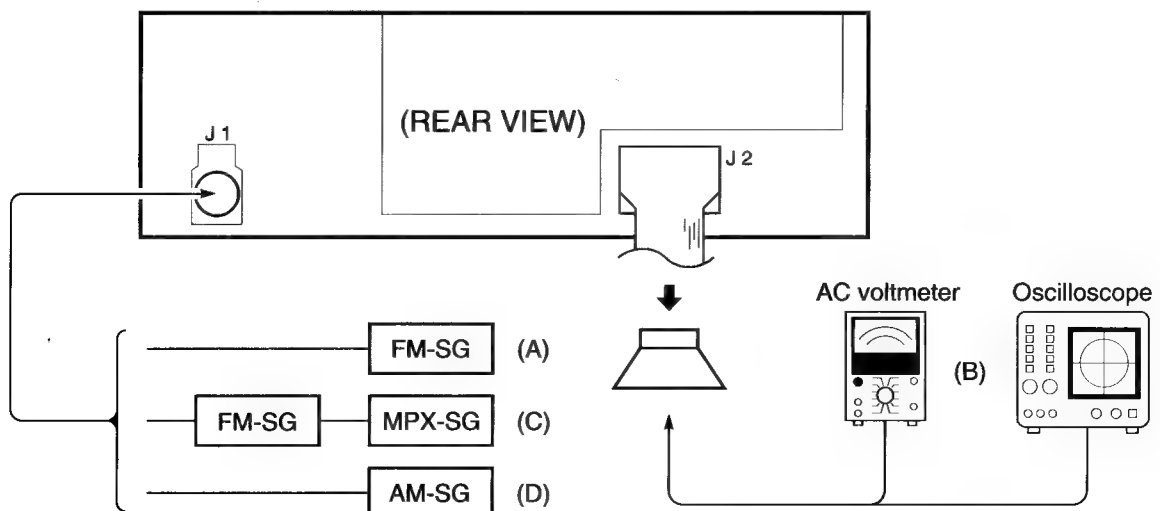
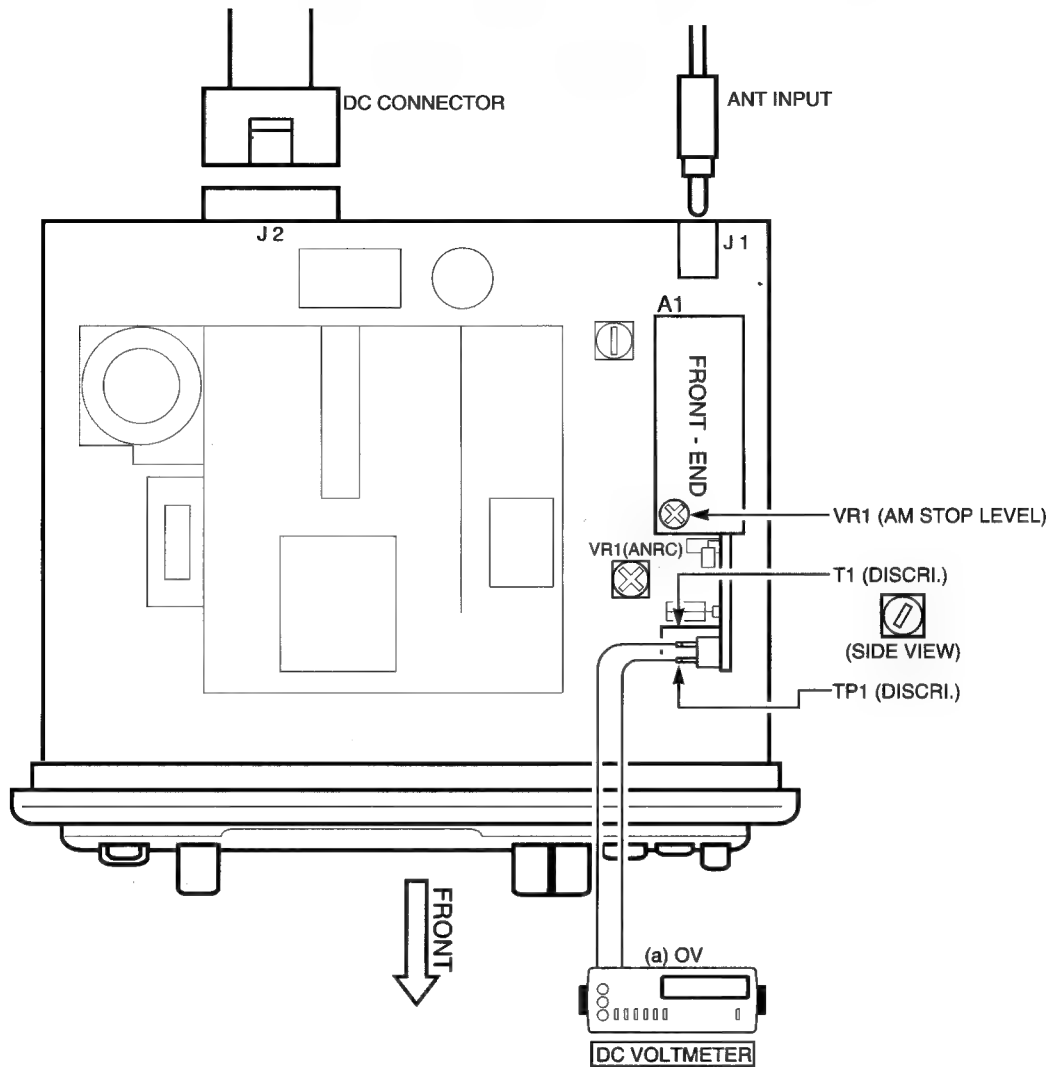
Die Regler und Knöpfe wie folgt einstellen.

BALANCE :Mittelage LOUD :OFF  
 BASS :Mittelage LOCAL :OFF  
 FADER :Mittelage AUTO :OFF  
 TREBLE :Mittelage

NR	GEGENSTAND	EINGANGS EINSTELLUNG	AUSGANGS EINSTELLUNG	TUNER (RECEIVER) EINSTELLUNG	ABGLEICH PUNKTE	ABGLEICHEN FÜR	ABB.
<b>UKW-ABTEILUNG</b>							
1	DISKRIMINATOR	(A) 98.1MHz 0Hub 60dBμ (ANT-Eingang)	Den Gleichstrom Voltmeter TP1 anschließen (A1, X14-)	FM 98.1MHz	T1 (A1, X14-)	0V	(a)
2	ANRC (SUCHENHALT PEGEL)	(C) 98.1MHz 1kHz, ±40kHz Hub Pilot: ±6.0kHz Hub Wähler: L or R 35dBμ (ANT-Eingang)	(B)	FM 98.1MHz	VR1 (X14-)	Trennung 10dB	
<b>MW-ABTEILUNG</b>							
(1)	STOP LEVEL (SUCHENHALT PEGEL)	(D) 990kHz 400Hz 30% mod 35dBμ (ANT-Eingang)	-	MW 990kHz	VR1 (A1, X14-)	HALT	
<b>CASSETTEN-DECK-ABTEILUNG</b>							
[1]	AZIMUTH	MTT-114 10kHz	(B)	Bandwiedergabe	Kopfazimutschraube	So einstellen, daß das Azimuth für jeweils L-CH/R-CH oder FWD/RVS maximal wird	(b)

# KRC-10R,158R,30R,358R

## ADJUSTMENT POINT VIEW



KRC-10 RA/G  
158 RA/G  
30 RA/G  
358 RA/G

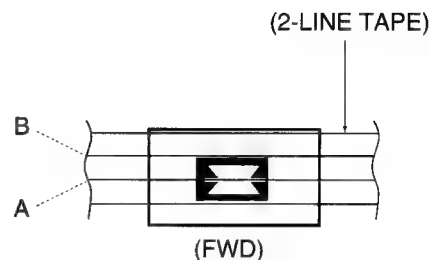
# KRC-10R,158R,30R,358R

## ADJUSTMENT / EINSTELLUNGEN (MECHA.)

### Head Angle Adjustment

#### Head height alignment procedure

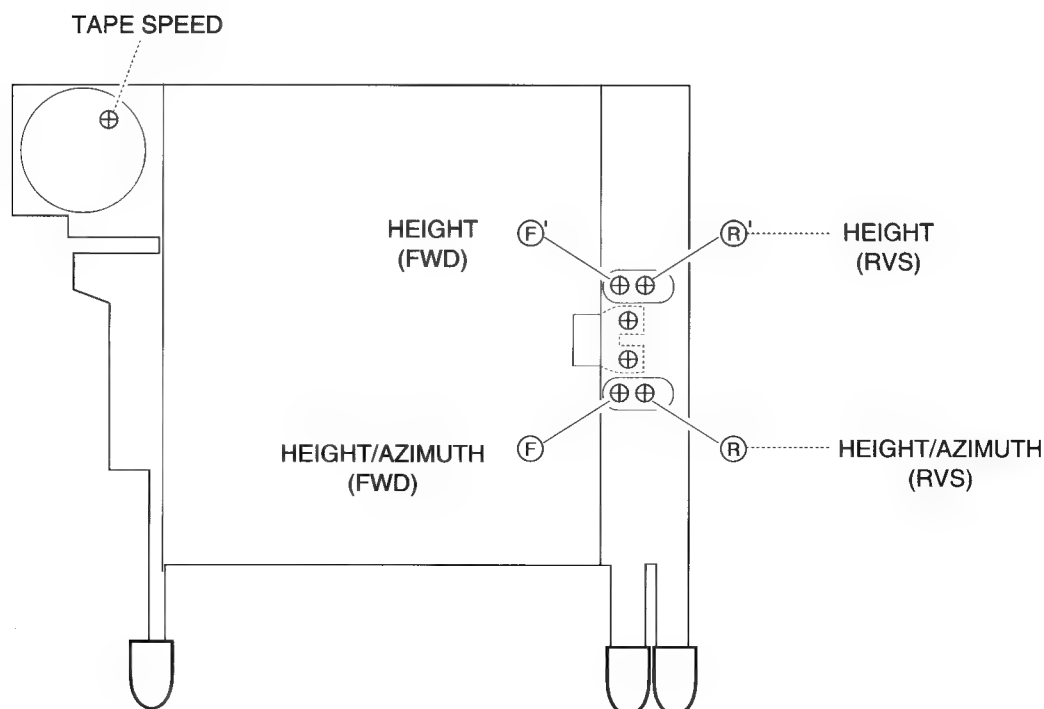
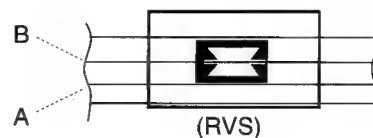
- During FWD transport adjust screws (F) and (F') so that line A of 2-LINE TAPE passes through the center of the head shield plate (core center area)
- During RVS transport adjust screws (R) and (R') so that line B of 2-LINE TAPE passes through the center of the head shield plate core (center area)
- After the alignment above, reverse the transport direction and check the FWD alignment again. If it is deviated, perform alignment again. (Tape used : SCC-1659, manufactured by A-BEX)



### Einstellung des Kopfwinkels

#### Vorgehensweise bei der Kopfhöhen-Einstellung

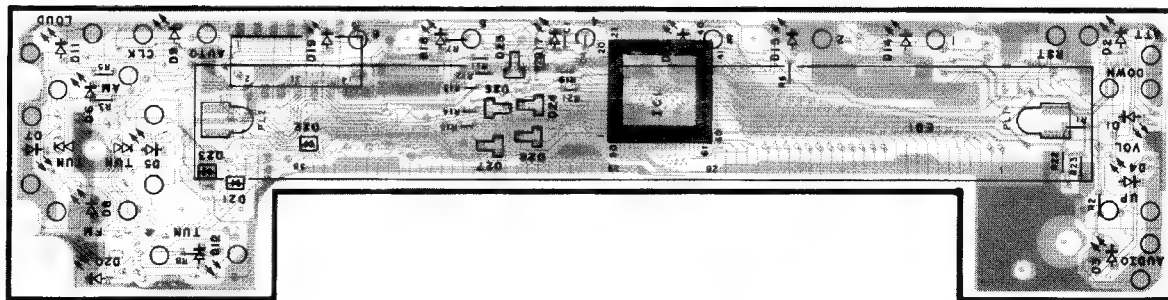
- Während des Bandlaufs in Vorwärtsrichtung die Schrauben (F) und (F') so einstellen, daß die Linie A eines 2-Linien-Bands (2-LINE TAPE) durch die Mitte der Kopfabschirmplatte (Zentrum des Mittelbereichs) verläuft.
- Während des Bandlaufs in Rückwärtsrichtung die Schrauben (R) und (R') so einstellen, daß die Linie B eines 2-Linien-Bands (2-LINE TAPE) durch die Mitte der Kopfabschirmplatte (Zentrum des Mittelbereichs) verläuft.
- Nachdem die obige Einstellung abgeschlossen ist, die Bandlaufrichtung umkehren und die Ausrichtung in Vorwärtsrichtung noch einmal überprüfen. Wenn eine Abweichung festgestellt wird, ist diese Einstellung zu wiederholen. (Verwendetes Band: SCC-1659, hergestellt von A-BEX)



# PC BOARD (Component side view)

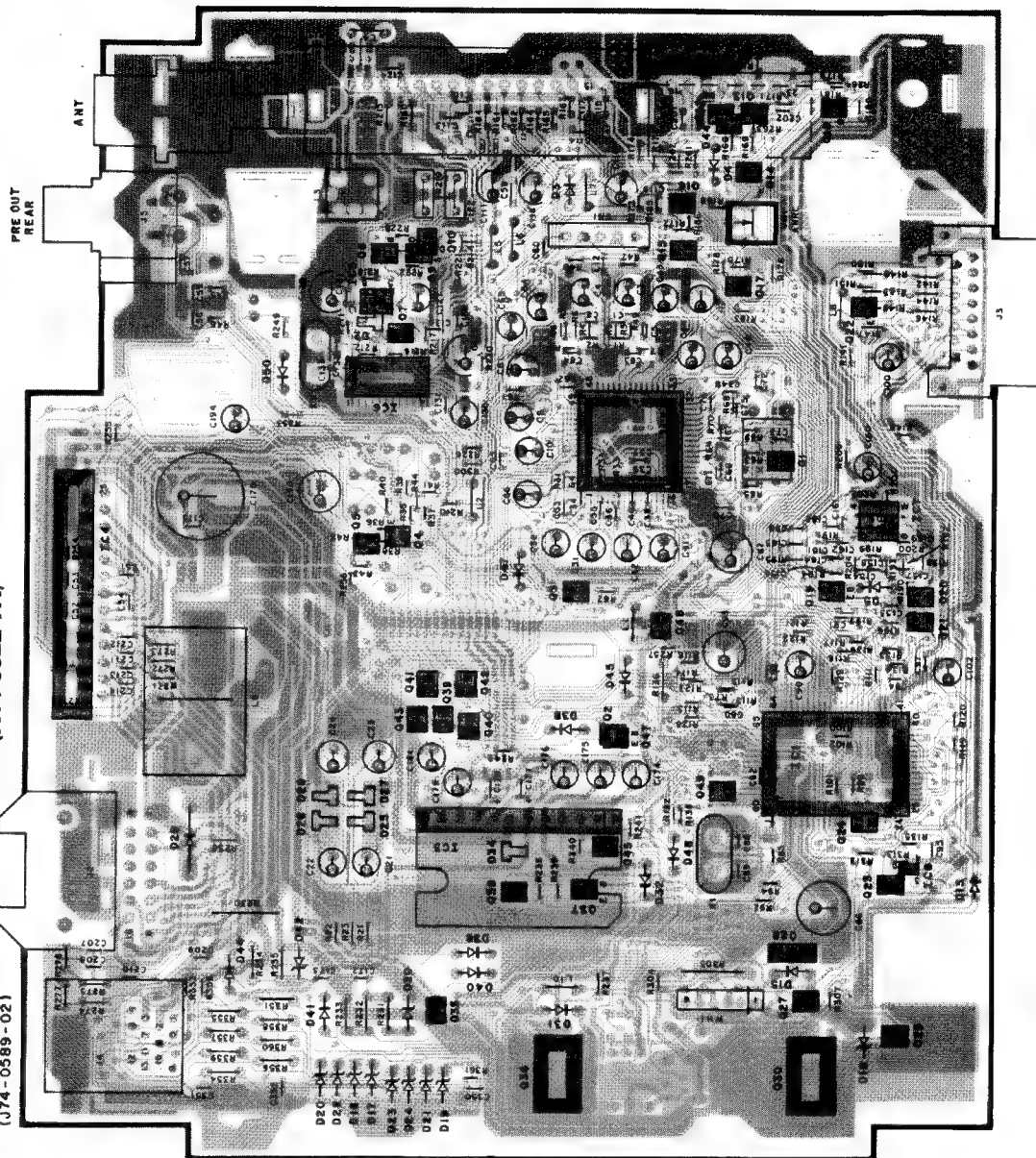
## SWITCH UNIT (X13-8972-7X)

X13-8972-7X (J74-0588-02)

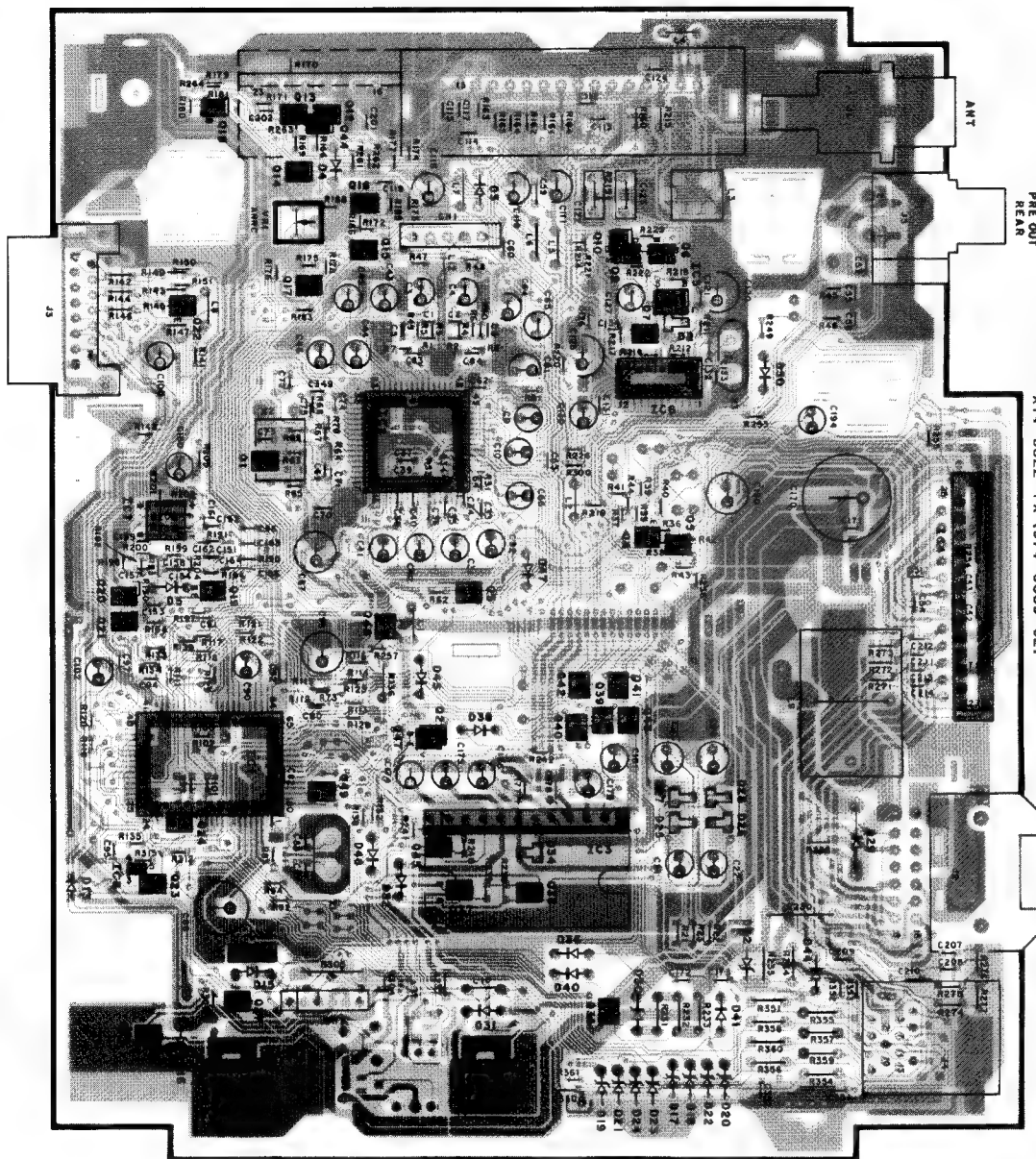


## SYNTHESIZER UNIT (X14-5522-7X)

X14-5522-7X  
(J74-0589-02)

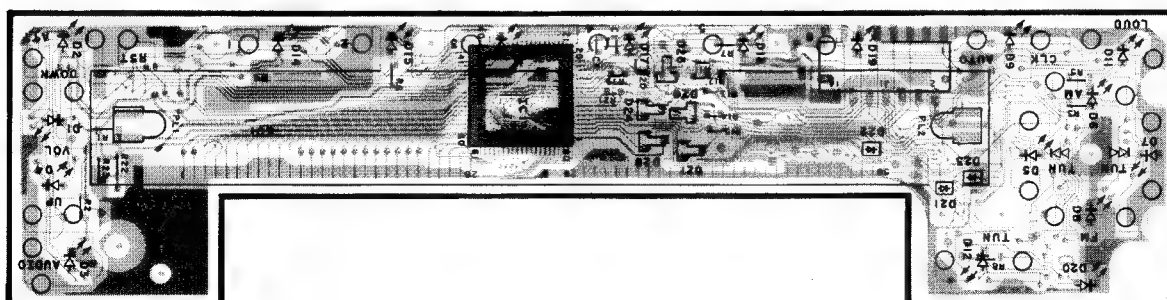


# PC BOARD (Foil side view)



**SYNTHESIZER UNIT**  
**(X14-5522-7X)**

X14-5522-7X (J74-0589-02)



**SWITCH UNIT**  
**(X13-8972-7X)**

X13-8972-7X (J74-0588-02)



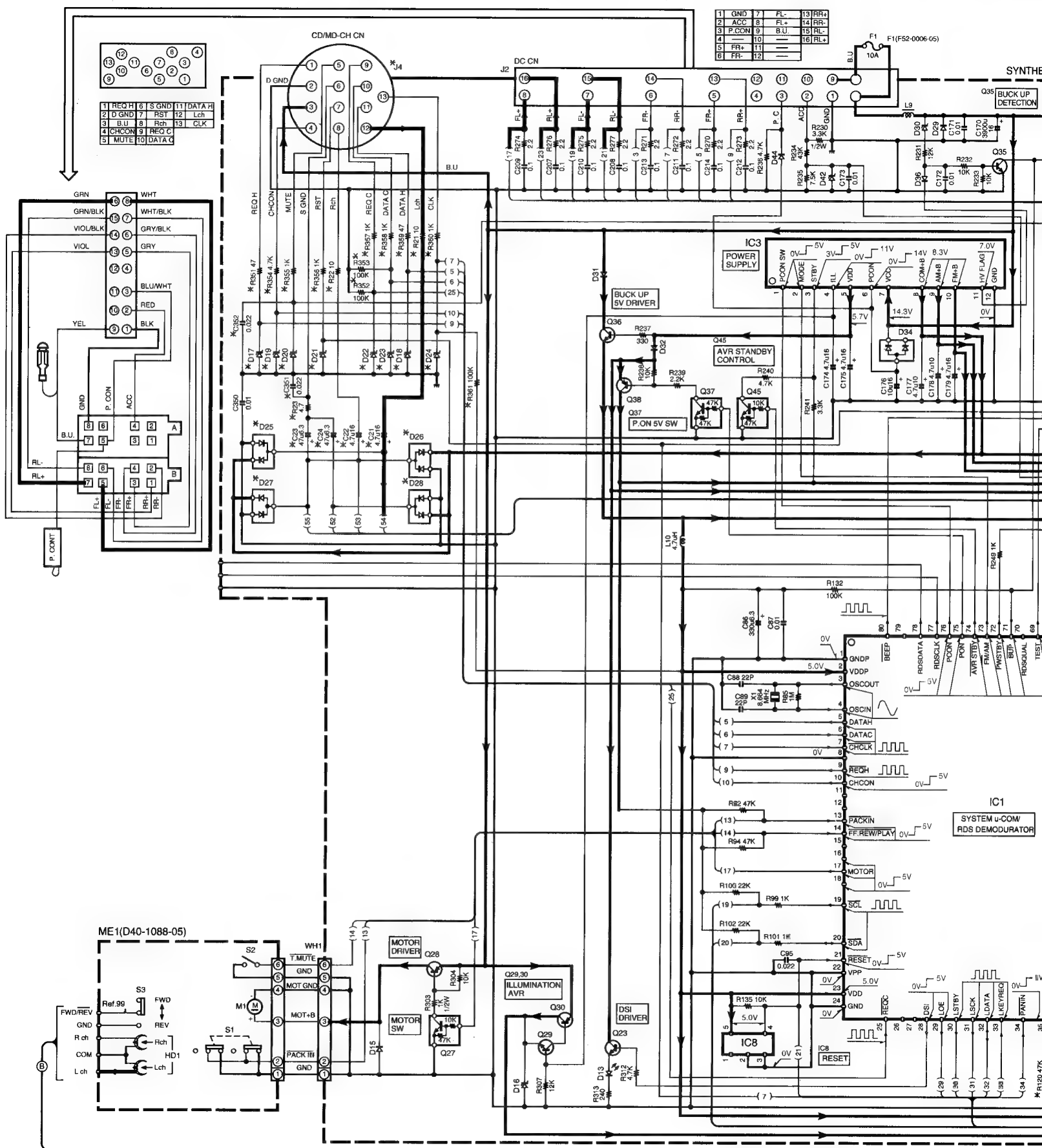
A

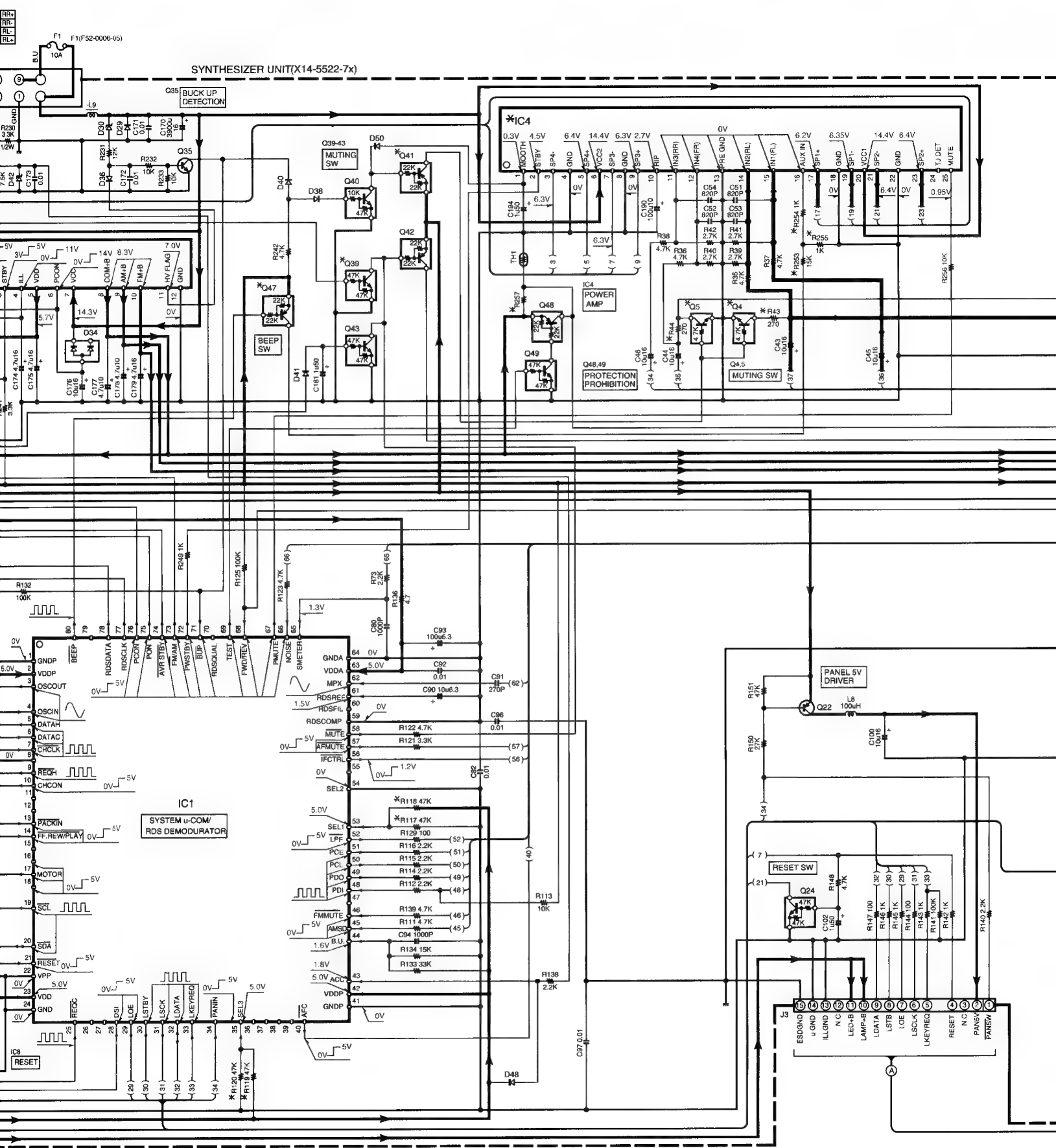
B

C

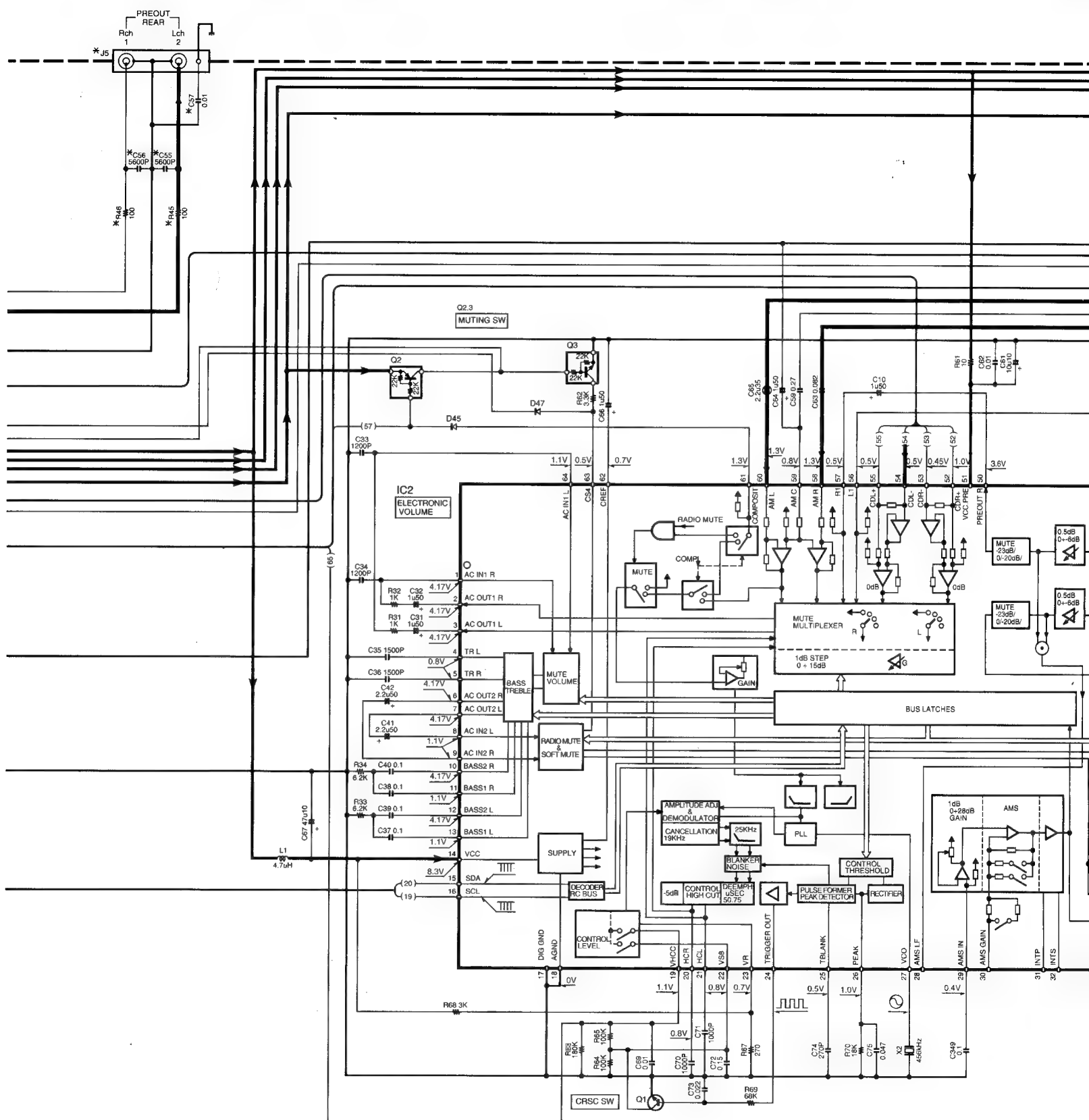
D

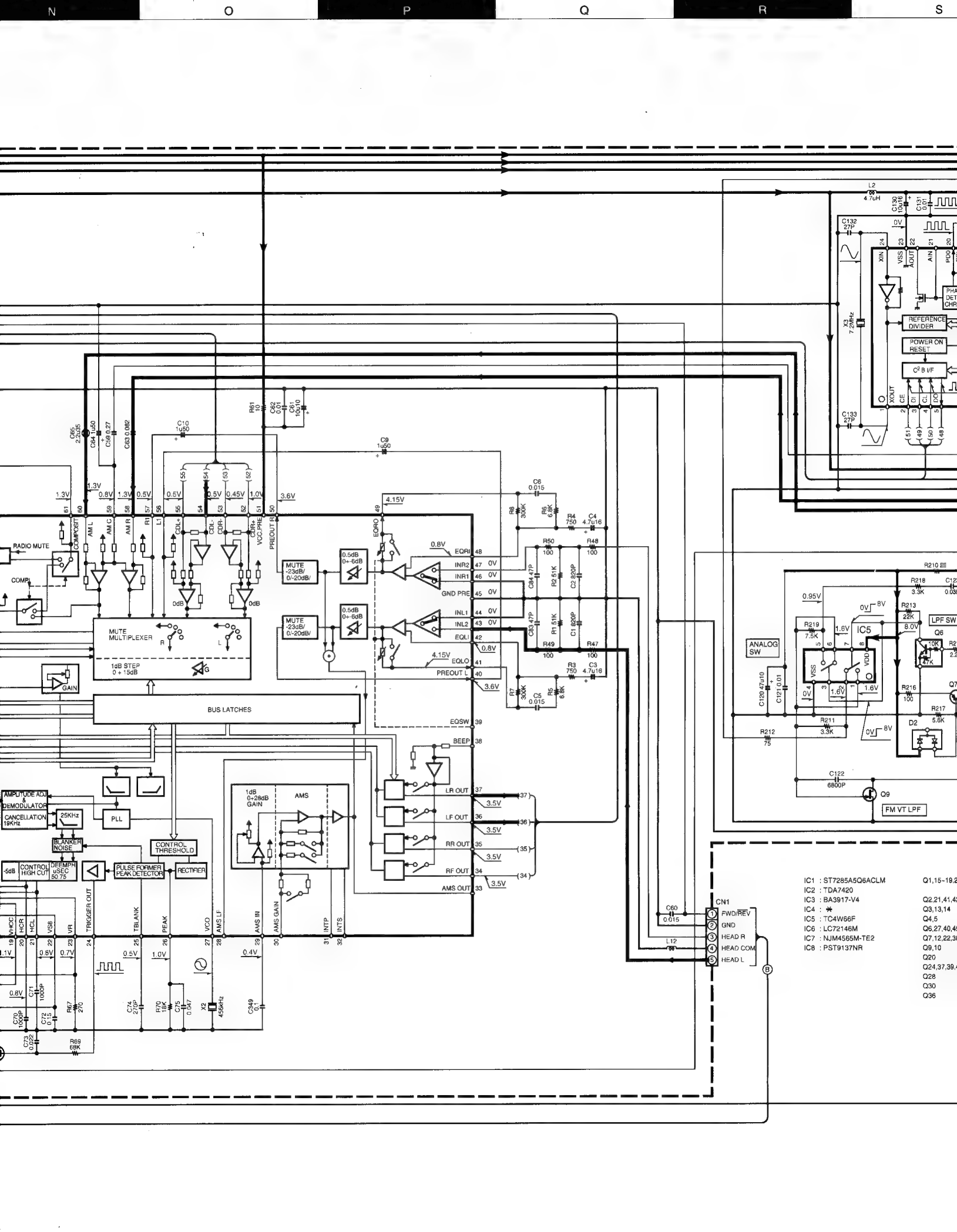
E

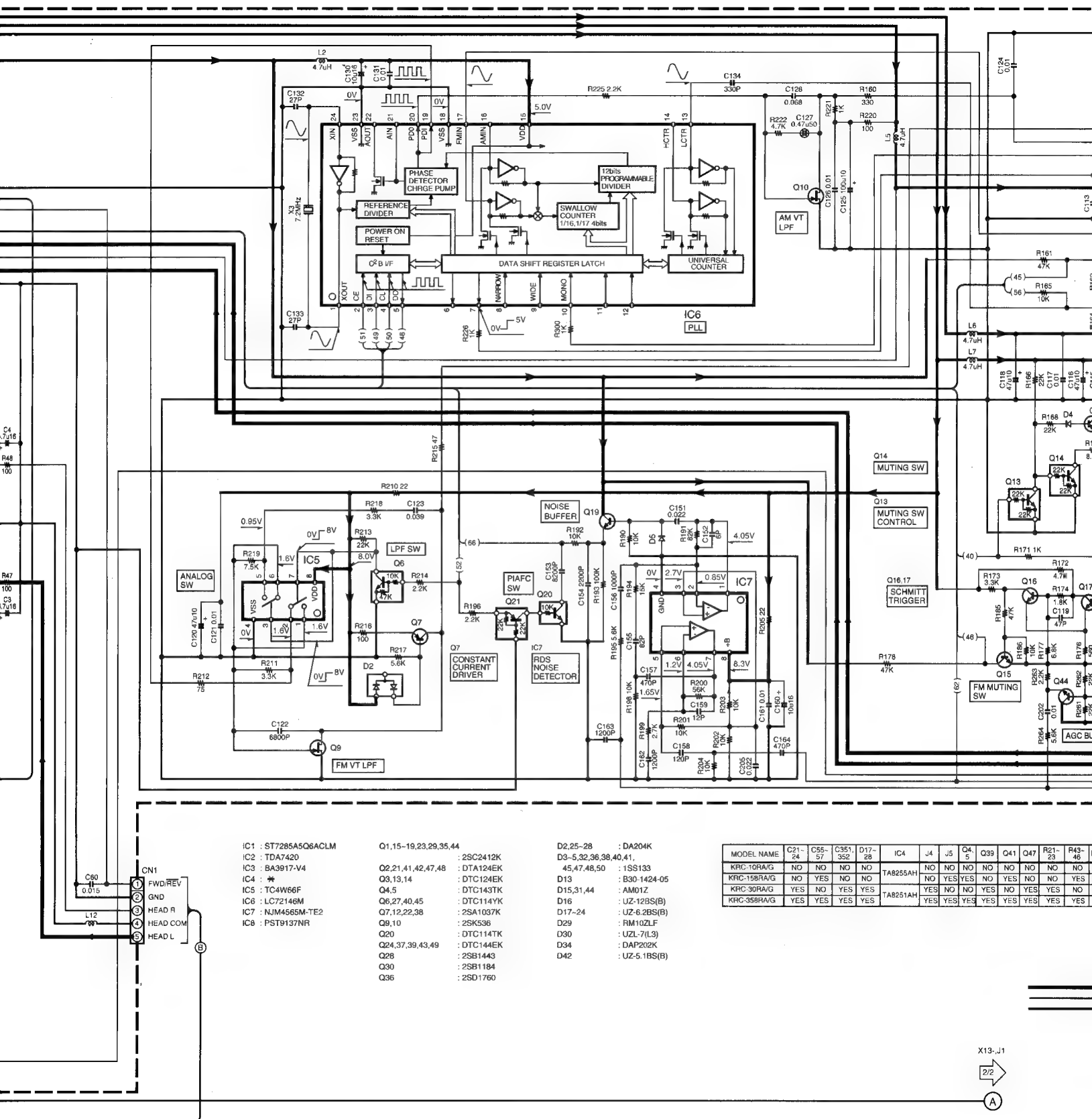


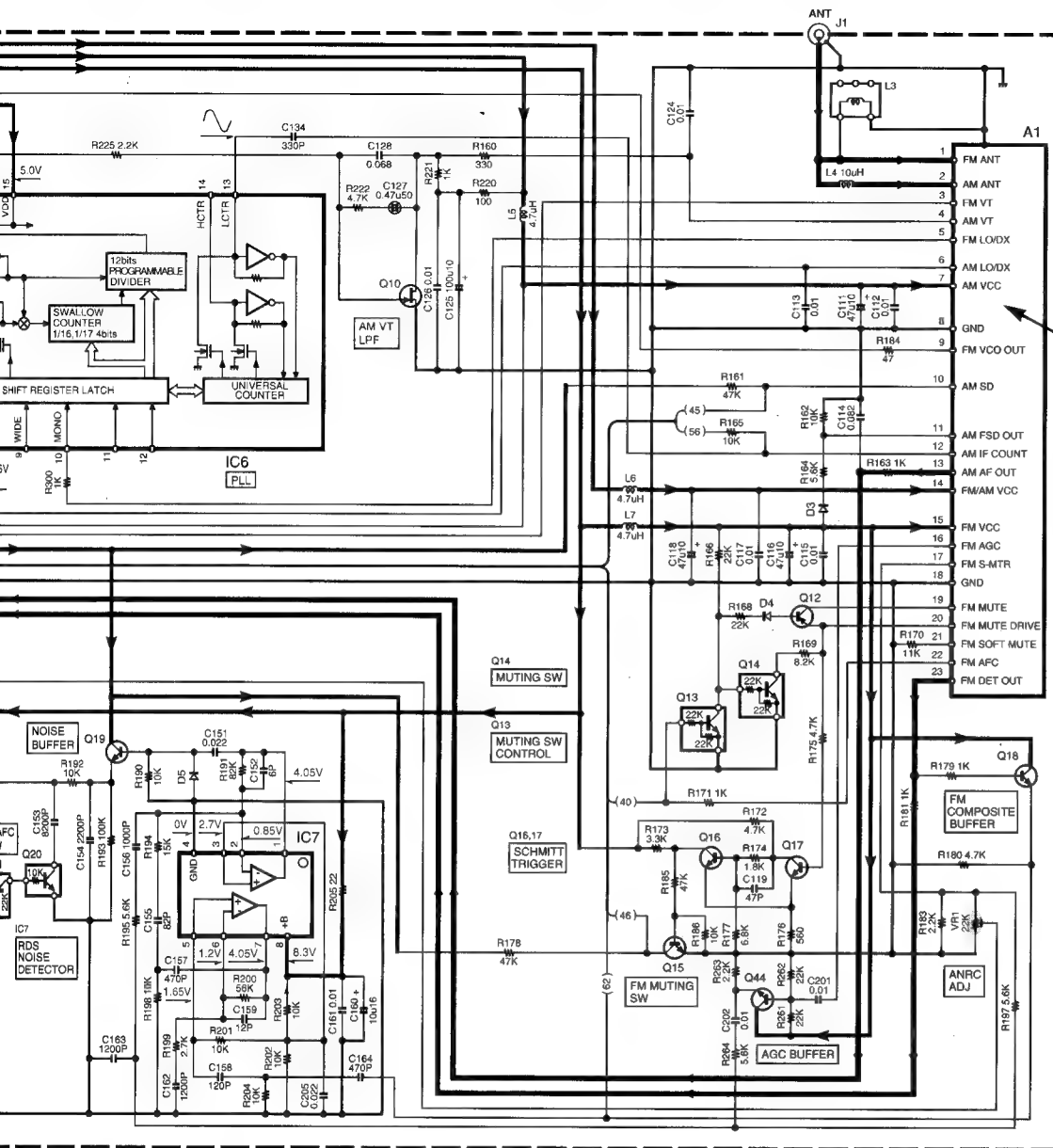












Refer to page 6 for A1's schematic.

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

D2,25-28 : DA204K  
D3-5,32,36,38,40,41, 45,47,48,50 : 1SS133  
D13 : B30-1424-05  
D15,31,44 : AM01Z  
D16 : UZ-125S(B)  
D17-24 : UZ-6.2BS(B)  
D29 : RM10ZLF  
D30 : UZL-7(L3)  
D34 : DAP202K  
D42 : UZ-5.1BS(B)

MODEL NAME	C21-24	C55-57	C351-352	D17-28	IC4	J4	J5	Q4	Q39	Q41	Q47	R21-23	R43-46	R117	R118	R119	R120	R253-255	R257	R351-361
KRC-10RA/G	NO	NO	NO	NO	TA8255AH	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO	NO	YES	NO	3.9K	NO
KRC-158RA/G	NO	YES	NO	NO	NO	YES	YES	NO	YES	NO	NO	YES	YES	NO	YES	NO	NO	NO	NO	NO
KRC-30RA/G	YES	NO	YES	YES	TA8251AH	YES	NO	NO	YES	YES	YES	YES	NO	NO	YES	NO	YES	YES	4.3K	YES
KRC-358RA/G	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES	YES	NO	YES	YES	YES

===== SIGNAL LINE  
===== GND LINE  
===== +B LINE

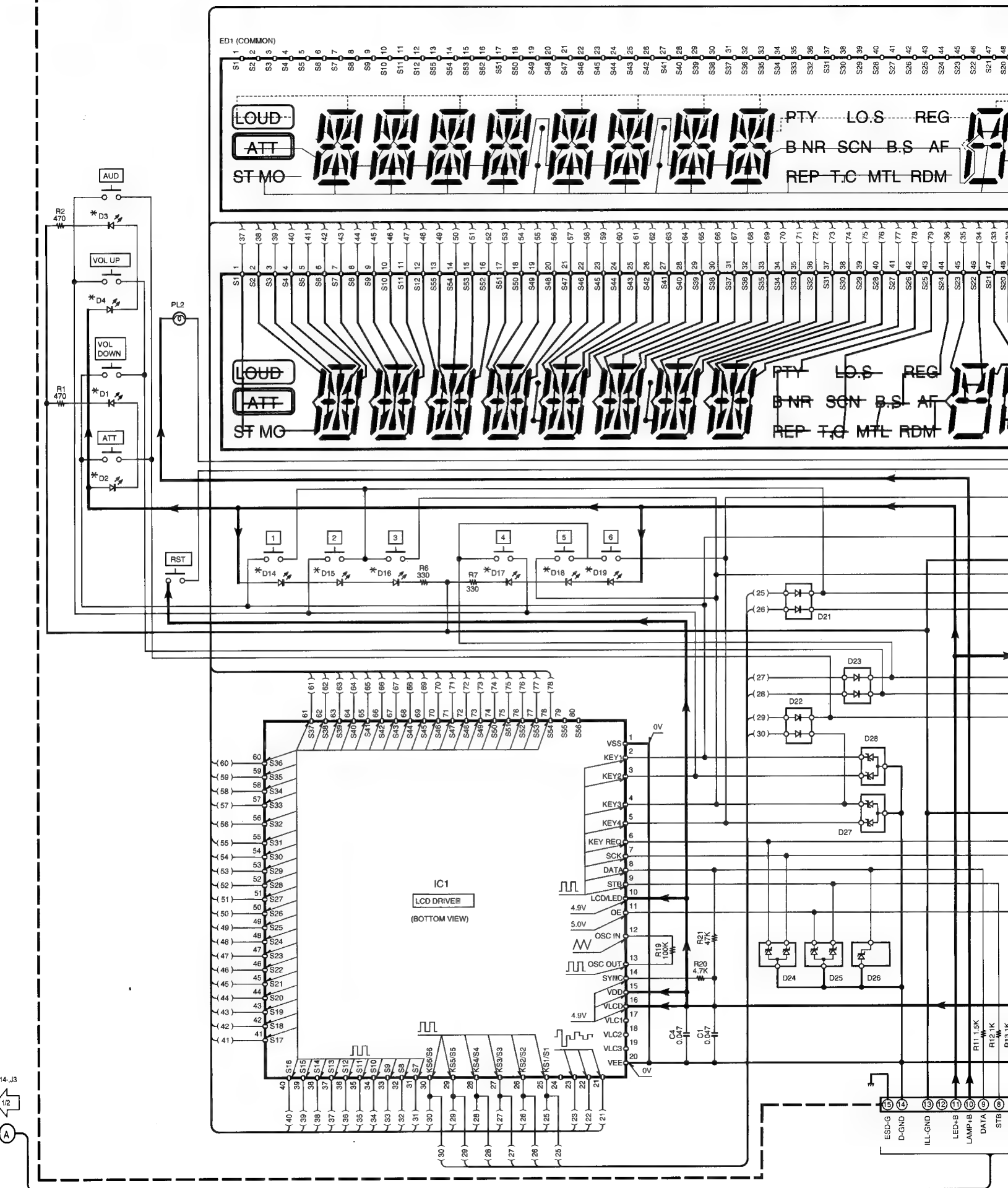
X13-J1

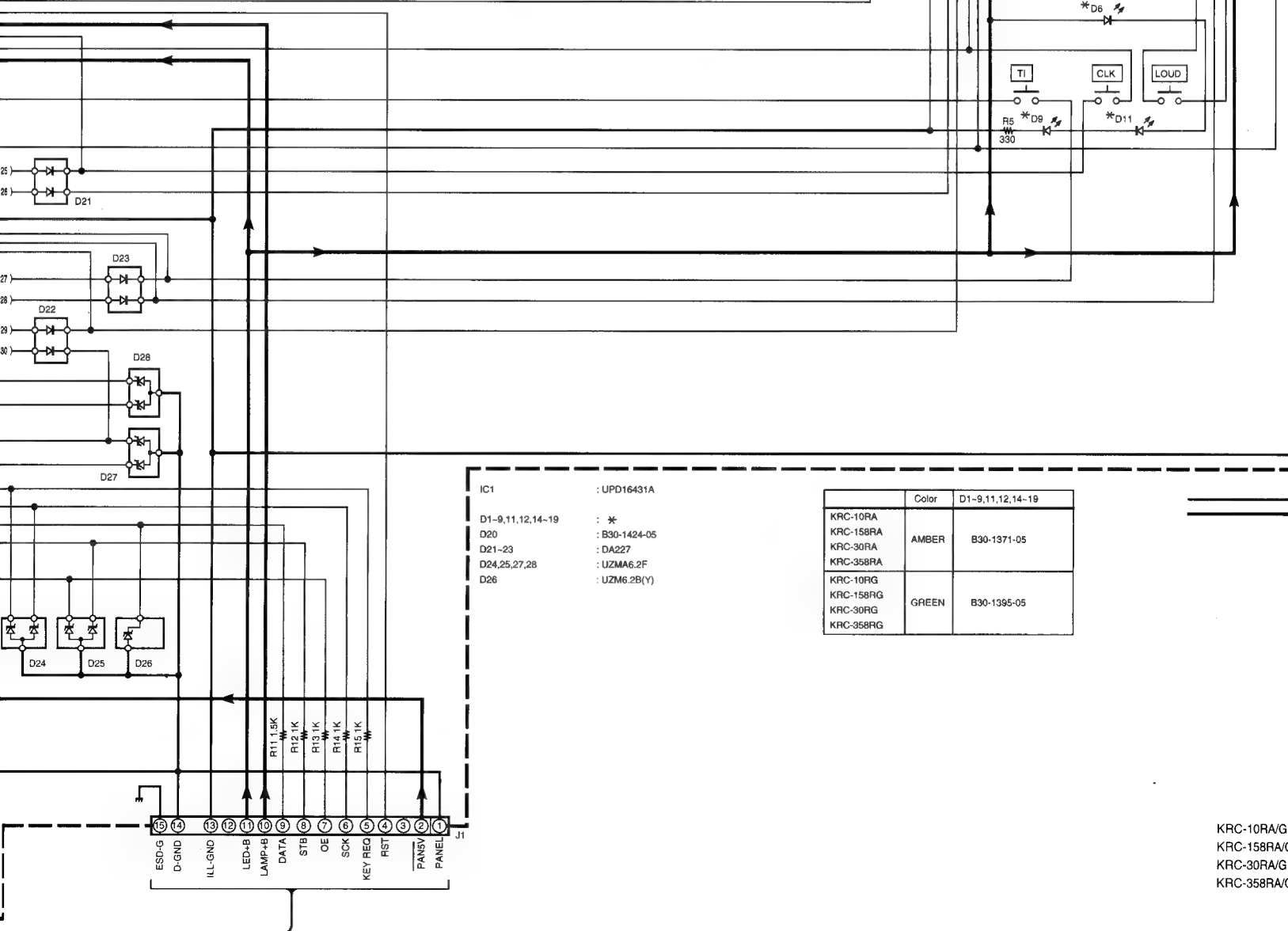
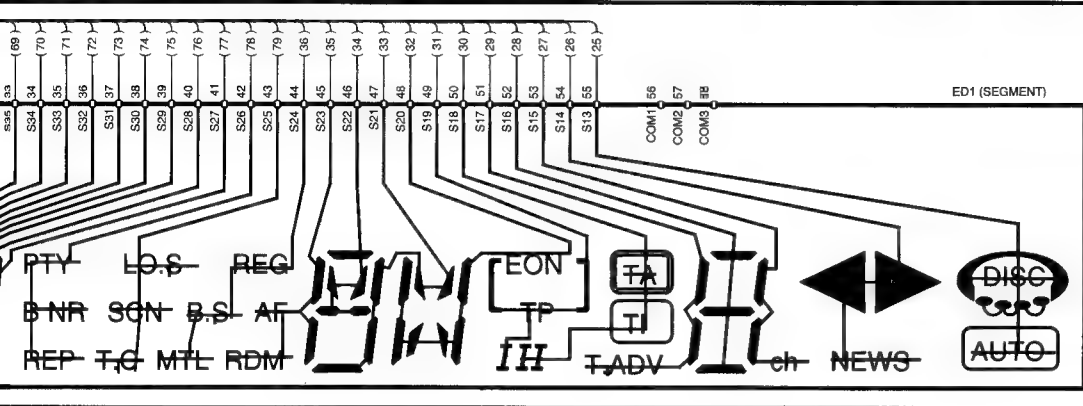
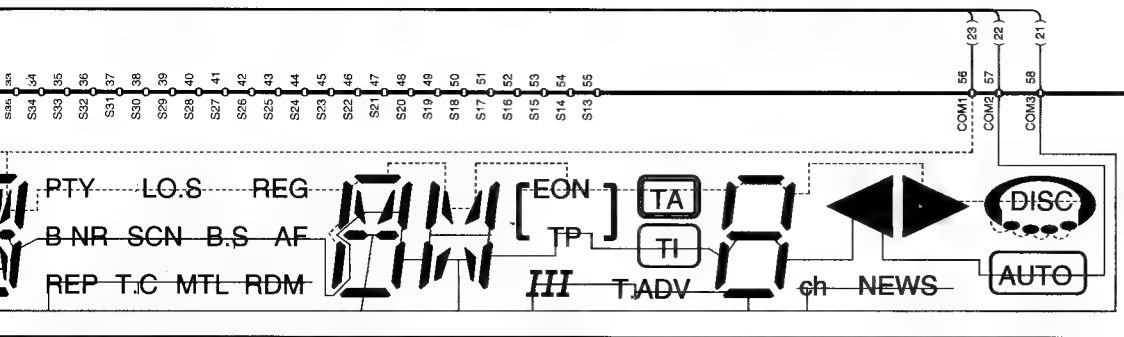


2/2

KRC-10RA/G (1/2)  
KRC-158RA/G (1/2)  
KRC-30RA/G (1/2)  
KRC-358RA/G (1/2)

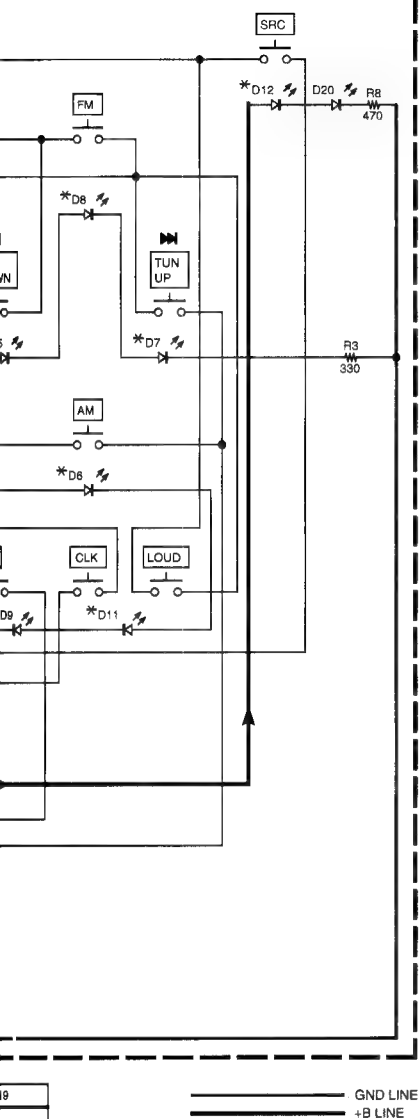
## SWITCH UNIT (X13-8972-7x)





**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).  $\Delta$  indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded and in playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.



DTA124EK  
 DTC114TK  
 DTC114YK  
 DTC124EK  
 DTC143TK

DTC144EK  
 2SC2412K



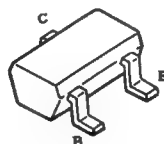
2SB1184



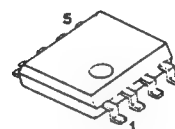
2SB1443



2SA1037K



NJM4565M-TE2



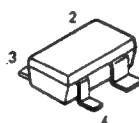
DA204K



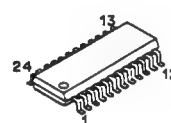
2SK536



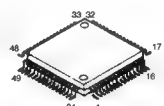
DA227



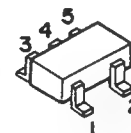
LC72146M



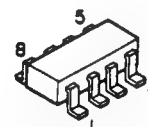
TDA7420



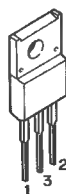
PST9137NR



TC4W66F



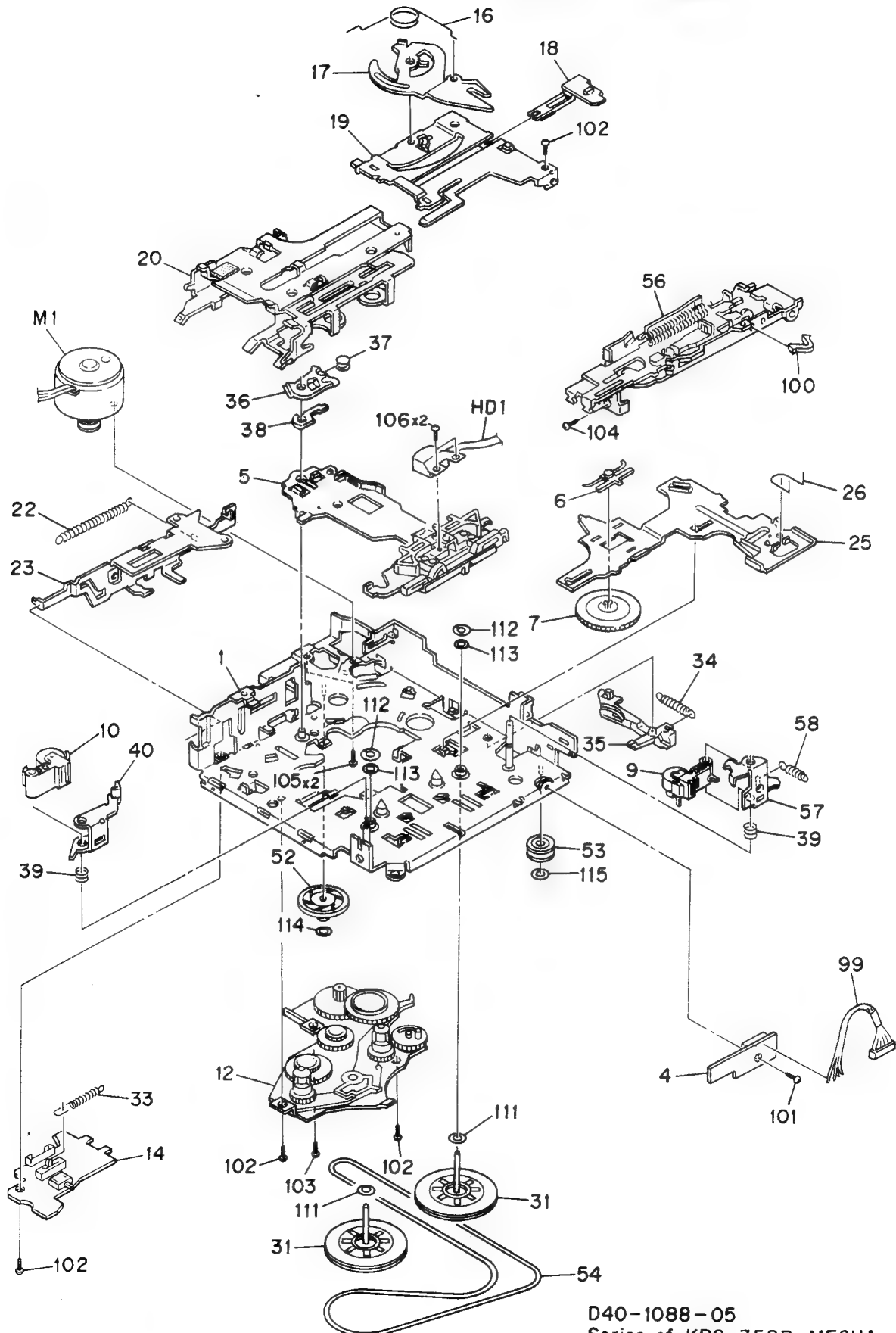
UPD16431A



KRC-10RA/G (2/2)  
 KRC-158RA/G (2/2)  
 KRC-30RA/G (2/2)  
 KRC-358RA/G (2/2)

# KRC-10R,158R,30R,358R

## EXPLODED VIEW (MECHANISM)



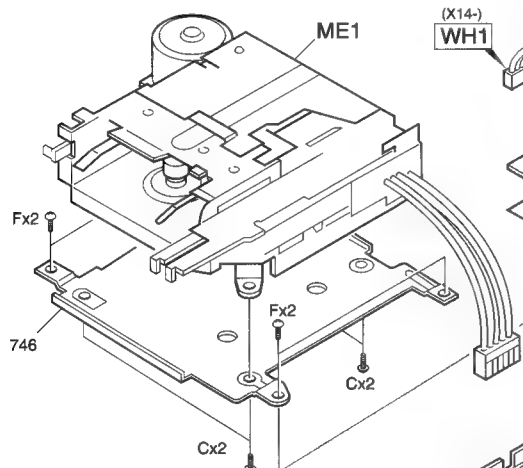
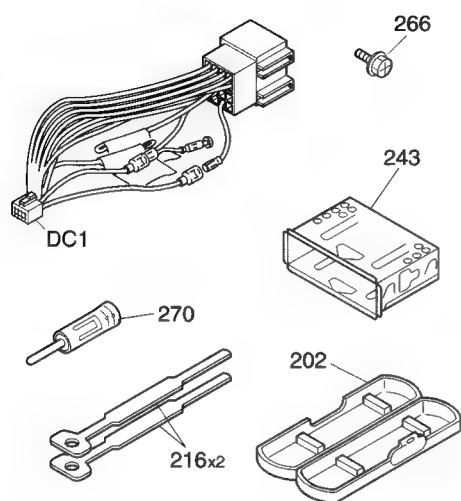
D40-1088-05  
Series of KRC-358R MECHA.

Parts with the exploded numbers larger than 700 are not supplied.

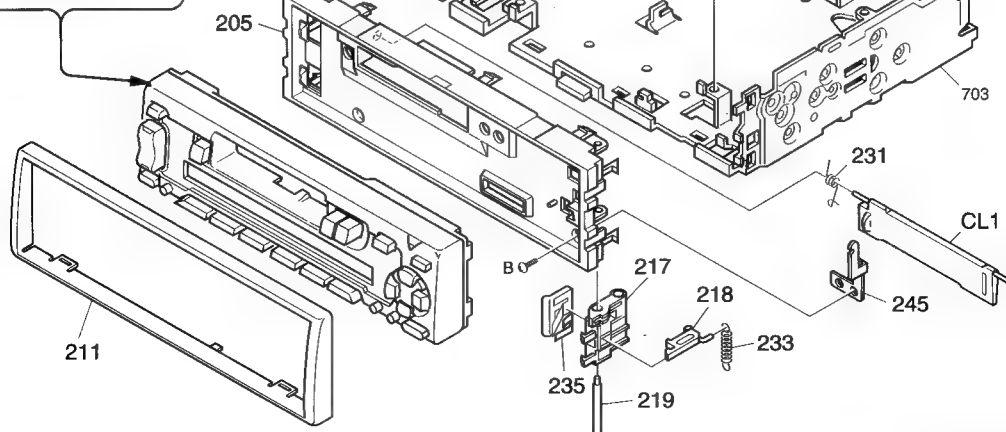


# KRC-10R,158R,30R,358R

## EXPLODED VIEW (UNIT)



TDF exploded view is shown on the following page.



B : N30-2608-45  
C : N30-3004-46  
F : N83-3005-46  
H : N30-3012-46  
J : N80-3010-46  
L : N83-3005-46

※ J4:KRC-30R/358R

※ J5:KRC-158R/358R  
※ J :KRC-158R/358R

KRC-10RA/G KRC-158RA/G  
KRC-30RA/G KRC-358RA/G (1/2)

## F

E : N80-2008-45



25

# KRC-10R,158R,30R,358R

## PARTS LIST

\*New Parts

Parts without **Part No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.


Teile ohne **Parts No.** werden nicht geliefert.

Refer. No.	A d w	Parts No.	Description	Model Name KRC-
<b>KRC-10RA/G,158RA/G,30RA/G,358RA/G</b>				
202	1C	* A02-1444-03	PLASTIC CABINET ASSY	
205	3C	* A22-1278-01	SUB PANEL	
206	1F	* A46-1258-01	REAR COVER	
207	1D	* A52-0707-02	TOP PLATE	
CL1	3D	* A53-1638-03	CASSETTE LID	
PA1	3E	* A64-0884-02	PANEL ASSY	358RA/G
PA1	3E	* A64-0885-02	PANEL ASSY	158RA/G
PA1	3E	* A64-0886-02	PANEL ASSY	30RA/G
PA1	3E	* A64-0887-02	PANEL ASSY	10RA/G
211	3C	* B07-2081-02	ESCUTCHEON	
-		* B46-0100-50	WARRANTY CARD	
-		B46-0182-14	ID CARD	10RG
-		B46-0182-14	ID CARD	158RG
-		B46-0182-14	ID CARD	30RG
-		B46-0182-14	ID CARD	358RG
-		B46-0606-04	ID CARD	10RA
-		B46-0606-04	ID CARD	158RA
-		B46-0606-04	ID CARD	30RA
-		B46-0606-04	ID CARD	358RA
-		B58-1223-04	CAUTION CARD (CH,4-Langu.)	30RA/G
-		B58-1223-04	CAUTION CARD (CH,4-Langu.)	358RA/G
-		B58-1225-04	CAUTION CARD (CH,4-Langu.)	30RA/G
-		B58-1225-04	CAUTION CARD (CH,4-Langu.)	358RA/G
-		* B64-0942-00	INST.MANUAL(FRA.GER.ITA.)	
-		* B64-0943-00	INST.MANUAL(EN.DUT.SPA.POR)	
216	1C	D10-3031-04	LEVER (REMOVAL TOOL) x2	
217	3D	D10-4051-03	LEVER (SUB PANEL) (SHAFT)	
218	3D	D10-4052-03	LEVER (SUB PANEL)	
219	3D	* D21-2250-04	SHAFT	
ME1	2C	* D40-1088-05	CASSETTE MECHANISM ASSY	
221	2F	* E29-1515-02	CONDUCTIVE RUBBER	
Δ DC1	1C	* E30-4426-05	DC CORD ASSY (C.C.)	158RA/G
Δ DC1	1C	* E30-4426-05	DC CORD ASSY (C.C.)	358RA/G
Δ DC1	1C	* E30-4438-05	DC CORD ASSY (C.C.)	10RA/G
Δ DC1	1C	* E30-4438-05	DC CORD ASSY (C.C.)	30RA/G
Δ F1	2D	F52-0006-05	MINI BLADE FUSE (10A) C.C.	
231	3D	G01-2525-04	TORSION COIL SPRING	
232	3F	G01-2738-04	COMPRESSION SPRING	
233	3D	* G01-2792-04	EXTENSION SPRING	
234	3F	* G01-2793-04	COMPRESSION SPRING	
235	3D	* G02-1244-03	FLAT SPRING	
-		* H10-4555-02	POLYSTYRENE FOAMED FIXTURE	
-		H25-0337-04	PROTECTION BAG (180X300)	
-		H25-1111-04	PROTECTION BAG (280X450)	
-		* H54-0742-04	ITEM CARTON CASE	358RA
-		* H54-0744-04	ITEM CARTON CASE	358RG
-		* H54-0746-04	ITEM CARTON CASE	30RA
-		* H54-0748-04	ITEM CARTON CASE	30RG
-		* H54-0750-04	ITEM CARTON CASE	158RA
-		* H54-0752-04	ITEM CARTON CASE	158RG
-		* H54-0754-04	ITEM CARTON CASE	10RA

Refer. No.	A d w	Parts No.	Description	Model Name KRC-
-		* H54-0756-04	ITEM CARTON CASE	10RG
241	2F	J19-4698-02	HOLDER (Left)	
242	3F	J19-4700-02	HOLDER (Right)	
243	1C	J21-7630-13	MOUNTING HARDWARE ASSY	
245	3D	* J21-7726-04	MOUNTING HARDWARE	
251	3F	* K24-1762-04	KNOB (SRC)	
252	3F	* K24-1763-04	KNOB (RELEASE)	
253	2E	* K24-1764-04	KNOB (EJECT)	
254	3F	* K24-1765-04	KNOB (FF)	
255	3F	* K24-1766-04	KNOB (REW)	
256	2E	* K25-0786-03	KNOB (AUD/VOL/ATT/RESET)	
257	3E	* K25-0788-03	KNOB (1/2/3)	
258	3E	* K25-0789-03	KNOB (4/5/6)	
259	3F	* K25-0790-03	KNOB (FM/AM/UP/DOWN)	
260	3F	* K25-0791-03	KNOB (TI/CLK/LOUD)	
266	1C	N09-1885-05	SEMS (MACHINE SCREW)	
B	3C	N30-2608-45	PAN HEAD MACHINE SCREW	
C	2C	N30-3004-46	PAN HEAD MACHINE SCREW	
D	2F	N80-2006-46	PAN HEAD TAPTITE SCREW	
E	1F	N80-2008-45	PAN HEAD TAPTITE SCREW	
F	2C	N83-3005-46	PAN HEAD TAPTITE SCREW	
270	1C	* T90-0512-05	ANTENNA ADAPTOR	
<b>SWITCH UNIT (X13-8972-7x)</b>				
281	1E	* B11-0929-04	OPTICAL DIFFUSER	
282	1E	* B11-0934-04	REFLECTION SHEET	
283	1E	* B19-1089-03	LIGHTING BOARD	
D1 -9		B30-1371-05	LED (AMBER)	10RA
D1 -9		B30-1371-05	LED (AMBER)	158RA
D1 -9		B30-1371-05	LED (AMBER)	30RA
D1 -9		B30-1371-05	LED (AMBER)	358RA
D1 -9		B30-1395-05	LED (GREEN)	10RG
D1 -9		B30-1395-05	LED (GREEN)	158RG
D1 -9		B30-1395-05	LED (GREEN)	30RG
D1 -9		B30-1395-05	LED (GREEN)	358RG
D11 ,12		B30-1371-05	LED (AMBER)	10RA
D11 ,12		B30-1371-05	LED (AMBER)	158RA
D11 ,12		B30-1371-05	LED (AMBER)	30RA
D11 ,12		B30-1371-05	LED (AMBER)	358RA
D11 ,12		B30-1395-05	LED (GREEN)	10RG
D11 ,12		B30-1395-05	LED (GREEN)	158RG
D11 ,12		B30-1395-05	LED (GREEN)	30RG
D11 ,12		B30-1395-05	LED (GREEN)	358RG
D14 -19		B30-1371-05	LED (AMBER)	158RA
D14 -19		B30-1371-05	LED (AMBER)	30RA
D14 -19		B30-1371-05	LED (AMBER)	358RA
D14 -19		B30-1395-05	LED (GREEN)	10RG
D14 -19		B30-1395-05	LED (GREEN)	158RG
D14 -19		B30-1395-05	LED (GREEN)	30RG
D14 -19		B30-1395-05	LED (GREEN)	358RG
D20		B30-1424-05	LED	
ED1	2E	* B38-0669-05	LIQUID CRYSTAL	
PL1 ,2		* B30-1483-05	LAMP	

**E:** Europe **K:** North America **M:** Other Areas

**W:** Without Europe

 indicates safety critical components.

# KRC-10R,158R,30R,358R

## PARTS LIST

\*New Parts

Parts without **Part No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.


Teile ohne **Parts No.** werden nicht geliefert.

(X14-5522-7x)

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
C1 C4			CK73FB1E473KTA CK73FB1E473KTA	CHIP C 0.047UF K CHIP C 0.047UF K	
285 J1	2E	*	E29-1516-04 E59-0824-05	CONDUCTIVE RUBBER RECTANGULAR PLUG	
R1 ,2 R3 R5 -7 R8 R11			RK73EB2B471J RK73EB2B331J RK73EB2B331J RK73EB2B471J RK73FB2A152J	CHIP R 470 J 1/8W CHIP R 330 J 1/8W CHIP R 330 J 1/8W CHIP R 470 J 1/8W CHIP R 1.5K J 1/10W	
R12 -15 R19 R20 R21 R22 ,23			RK73FB2A102J RK73FB2A104J RK73FB2A472J RK73FB2A473J RK73EB2B130J	CHIP R 1.0K J 1/10W CHIP R 100K J 1/10W CHIP R 4.7K J 1/10W CHIP R 47K J 1/10W CHIP R 13 J 1/8W	
D21 -23 D24 ,25 D26 D27 ,28 IC1		*	DA227 UZMA6.2F UZM6.2B(Y) UZMA6.2F UPD16431A	DIODE ZENER DIODE ZENER DIODE ZENER DIODE MOS-IC	
<b>SYNTHESIZER UNIT (X14-5522-7x)</b>					
D13			B30-1424-05	LED	
C1 ,2 C3 ,4 C5 ,6 C9 ,10 C21 ,22			CK73FB1H821K C90-2595-05 CK73FB1H153KTA C90-2608-05 C90-2595-05	CHIP C 820PF K ELECTRO 4.7UF 16WV CHIP C 0.015UF K ELECTRO 1.0UF 50WV ELECTRO 4.7UF 16WV	30RA/G
C21 ,22 C23 ,24 C23 ,24 C31 ,32 C33 ,34			C90-2595-05 CE04CW0J470M CE04CW0J470M C90-2608-05 CK73FB1H122K	ELECTRO 4.7UF 16WV ELECTRO 47UF 6.3WV ELECTRO 47UF 6.3WV ELECTRO 1.0UF 50WV CHIP C 1200PF K	358RA/G 30RA/G 358RA/G
C35 ,36 C37 -40 C41 ,42 C43 -46 C51 -54			CK73FB1H152K CK73FB1C104K C90-2610-05 C90-2597-05 CK73FB1H821K	CHIP C 1500PF K CHIP C 0.10UF K ELECTRO 2.2UF 50WV ELECTRO 10UF 16WV CHIP C 820PF K	158RA/G 358RA/G 158RA/G 358RA/G
C55 ,56 C55 ,56 C57 C57 C59			CK73FB1H562K CK73FB1H562K CK73FB1H103K CK73FB1H103K CK73EB1E274K	CHIP C 5600PF K CHIP C 5600PF K CHIP C 0.010UF K CHIP C 0.010UF K CHIP C 0.27UF K	158RA/G 358RA/G 158RA/G 358RA/G
C60 C61 C62 C63 C64			CK73FB1H153KTA C90-2854-05 CK73FB1H103K CK73FB1C823K C90-2608-05	CHIP C 0.015UF K ELECTRO 10UF 10WV CHIP C 0.010UF K CHIP C 0.082UF K ELECTRO 1.0UF 50WV	
C65 C66 C67 C69 C70 ,71			C90-2525-05 C90-2608-05 CE04CW1A470M CK73FB1H103K CK73FB1H102K	NP-ELECT 2.2UF 35WV ELECTRO 1.0UF 50WV ELECTRO 47UF 10WV CHIP C 0.010UF K CHIP C 1000PF K	
C72 C73			CK73FB1C154K CK73FB1H223KTA	CHIP C 0.15UF K CHIP C 0.022UF K	

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
C74 C75 C80 C82 C83 ,84			CK73FB1H271K CK73FB1E473KTA CK73FB1H102K CK73FB1H103K CC73FCH1H470J	CHIP C 270PF K CHIP C 0.047UF K CHIP C 1000PF K CHIP C 0.010UF K CHIP C 47PF J	
C86 C87 C88 ,89 C90 C91			CE04CW0J331M CK73FB1H103K CC73FCH1H220J C90-2592-05 CK73FB1H271K	ELECTRO 330UF 6.3WV CHIP C 0.010UF K CHIP C 22PF J ELECTRO 10UF 6.3WV CHIP C 270PF K	
C92 C93 C94 C95 C96 ,97			CK73FB1H103K CE04CW0J101M CK73FB1H102K CK73FB1H223KTA CK73FB1H103K	CHIP C 0.010UF K ELECTRO 100UF 6.3WV CHIP C 1000PF K CHIP C 0.022UF K CHIP C 0.010UF K	
C100 C102 C111 C112,113 C114			C90-2597-05 C90-2608-05 CE04DW1A470M CK73FB1H103K CK73FB1C823K	ELECTRO 10UF 16WV ELECTRO 1.0UF 50WV ELECTRO 47UF 10WV CHIP C 0.010UF K CHIP C 0.082UF K	
C115 C116 C117 C118 C119			CK73FB1H103K CE04DW1A470M CK73FB1H103K CE04DW1A470M CC73FCH1H470J	CHIP C 0.010UF K ELECTRO 47UF 10WV CHIP C 0.010UF K ELECTRO 47UF 10WV CHIP C 47PF J	
C120 C121 C122 C123 C124			CE04CW1A470M CK73FB1H103K CF92FV1H682J CF92FV1H393J CK73FB1H103K	ELECTRO 47UF 10WV CHIP C 0.010UF K MF-C 6800PF J MF-C 0.039UF J CHIP C 0.010UF K	
C125 C126 C127 C128 C130			CE04CW1A101M CK73FB1H103K C90-2807-05 CK73FB1E683KTA C90-2597-05	ELECTRO 100UF 10WV CHIP C 0.010UF K NP-ELEC 0.47UF 50WV CHIP C 0.068UF K ELECTRO 10UF 16WV	
C131 C132,133 C134 C151 C152			CK73FB1H103K CC73FCH1H270J CK73FB1H331K CK73FB1H223KTA CC73FCH1H060D	CHIP C 0.010UF K CHIP C 27PF J CHIP C 330PF K CHIP C 0.022UF K CHIP C 6.0PF D	
C153 C154 C155 C156 C157			CK73FB1H822K CK73FB1H222K CC73FCH1H820J CK73FB1H102K CK73FB1H471K	CHIP C 8200PF K CHIP C 2200PF K CHIP C 82PF J CHIP C 1000PF K CHIP C 470PF K	
C158 C159 C160 C161 C162,163			CC73FCH1H121J CC73FCH1H120J C90-2597-05 CK73FB1H103K CK73FB1H122K	CHIP C 120PF J CHIP C 12PF J ELECTRO 10UF 16WV CHIP C 0.010UF K CHIP C 1200PF K	
C164 C170 C171-173 C174,175 C176			CK73FB1H471K C90-2856-05 CK73FB1H103K C90-2595-05 C90-2597-05	CHIP C 470PF K ELECTRO 3900UF 16WV CHIP C 0.010UF K ELECTRO 4.7UF 16WV ELECTRO 10UF 16WV	

**E:** Europe **K:** North America **M:** Other Areas  
**W:** Without Europe

 indicates safety critical components.

# KRC-10R,158R,30R,358R

## PARTS LIST

\*New Parts

Parts without **Part No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.


(X14-5522-7x)

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
C177,178			C92-0009-05	CHIP-TAN 4.7UF 10WV	
C179			C90-2595-05	ELECTRO 4.7UF 16WV	
C181			C90-2608-05	ELECTRO 1.0UF 50WV	
C190			CE04CW1A101M	ELECTRO 100UF 10WV	
C194			C90-2608-05	ELECTRO 1.0UF 50WV	
C201,202			CK73FB1H103K	CHIP C 0.010UF K	
C205			CK73FB1H223KTA	CHIP C 0.022UF K	
C207-214			CK73FB1C104K	CHIP C 0.10UF K	
C349			CK73FB1C104K	CHIP C 0.10UF K	
C350			CK73FB1H103K	CHIP C 0.010UF K	
C351,352			CK73FB1H223KTA	CHIP C 0.022UF K	30RA/G
C351,352			CK73FB1H223KTA	CHIP C 0.022UF K	358RA/G
CN1			E40-3240-05	PIN ASSY	
J1	2D		E04-0306-05	COAXIAL CABLE RECEPTACLE	
J2	2D		E58-0836-05	RECTANGULAR RECEPTACLE(CC)	
J3	2D		E58-0854-05	RECTANGULAR RECEPTACLE	
J4	2D		E56-0809-05	CYLINDRICAL RECEPTACLE	30RA/G
J4	2D		E56-0809-05	CYLINDRICAL RECEPTACLE	358RA/G
J5	2D		E13-0235-05	PHONO JACK	158RA/G
J5	2D		E13-0235-05	PHONO JACK	358RA/G
WH1	2C		E39-0091-15	WIRING HARNESS	
L1 ,2			L40-4791-17	FIXED INDUCTOR (4.7UH)	
L3			L33-1039-05	LINE FILTER COIL	
L4			L40-1001-17	FIXED INDUCTOR (10UH)	
L5 -7			L40-4791-17	FIXED INDUCTOR (4.7UH)	
L8			L40-1011-17	FIXED INDUCTOR (100UH)	
L9		*	L33-1063-05	CHOKE COIL (C.C.)	
L10			L40-4791-17	FIXED INDUCTOR (4.7UH)	
L12			L92-0308-05	FERRITE CORE	
X1			L77-2051-05	RESONATOR (8.664MHZ)	
X2			L78-0545-05	RESONATOR (456KHZ)	
X3			L77-1166-05	RESONATOR (7.2MHZ)	
H	1D		N30-3012-46	PAN HEAD MACHINE SCREW	
J	1D		N80-3010-46	PAN HEAD TAPTITE SCREW	158RA/G
J	1D		N80-3010-46	PAN HEAD TAPTITE SCREW	358RA/G
L	1D		N83-3005-46	PAN HEAD TAPTITE SCREW	
R1 ,2			RK73FB2A513J	CHIP R 51K J 1/10W	
R3 ,4			RK73FB2A751J	CHIP R 750 J 1/10W	
R5 ,6			RK73FB2A682J	CHIP R 6.8K J 1/10W	
R7 ,8			RK73FB2A304J	CHIP R 300K J 1/10W	
R21 ,22			RK73EB2B100J	CHIP R 10 J 1/8W	30RA/G
R21 ,22			RK73EB2B100J	CHIP R 10 J 1/8W	358RA/G
R23			RK73EB2B4R7J	CHIP R 4.7 J 1/8W	30RA/G
R23			RK73EB2B4R7J	CHIP R 4.7 J 1/8W	358RA/G
R31 ,32			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R33 ,34			RK73FB2A622J	CHIP R 6.2K J 1/10W	
R35 -38			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R39 -42			RK73FB2A272J	CHIP R 2.7K J 1/10W	
R43 ,44			RK73FB2A271J	CHIP R 270 J 1/10W	158RA/G
R43 ,44			RK73FB2A271J	CHIP R 270 J 1/10W	358RA/G
R45 ,46			RK73FB2A101J	CHIP R 100 J 1/10W	158RA/G
R45 ,46			RK73FB2A101J	CHIP R 100 J 1/10W	358RA/G
R47 -50			RK73FB2A101J	CHIP R 100 J 1/10W	

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
R61			RK73FB2A100J	CHIP R 10 J 1/10W	
R62			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R63			RK73FB2A184J	CHIP R 180K J 1/10W	
R64 ,65			RK73FB2A104J	CHIP R 100K J 1/10W	
R67			RK73FB2A271J	CHIP R 270 J 1/10W	
R68			RK73FB2A302J	CHIP R 3.0K J 1/10W	
R69			RK73FB2A683J	CHIP R 68K J 1/10W	
R70			RK73FB2A183J	CHIP R 18K J 1/10W	
R73			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R85			RK73FB2A105J	CHIP R 1.0M J 1/10W	
R92			RK73FB2A473J	CHIP R 47K J 1/10W	
R94			RK73FB2A473J	CHIP R 47K J 1/10W	
R99			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R100			RK73FB2A223J	CHIP R 22K J 1/10W	
R101			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R102			RK73FB2A223J	CHIP R 22K J 1/10W	
R111			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R112			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R113			RK73FB2A103J	CHIP R 10K J 1/10W	
R114-116			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R117			RK73FB2A473J	CHIP R 47K J 1/10W	10RA/G
R117			RK73FB2A473J	CHIP R 47K J 1/10W	158RA/G
R118			RK73FB2A473J	CHIP R 47K J 1/10W	30RA/G
R118			RK73FB2A473J	CHIP R 47K J 1/10W	358RA/G
R119			RK73FB2A473J	CHIP R 47K J 1/10W	158RA/G
R119			RK73FB2A473J	CHIP R 47K J 1/10W	358RA/G
R120			RK73FB2A473J	CHIP R 47K J 1/10W	10RA/G
R120			RK73FB2A473J	CHIP R 47K J 1/10W	30RA/G
R121			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R122,123			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R125			RK73FB2A104J	CHIP R 100K J 1/10W	
R129			RK73FB2A101J	CHIP R 100 J 1/10W	
R132			RK73FB2A104J	CHIP R 100K J 1/10W	
R133			RK73FB2A333J	CHIP R 33K J 1/10W	
R134			RK73FB2A153J	CHIP R 15K J 1/10W	
R135			RK73FB2A103J	CHIP R 10K J 1/10W	
R136			RD148B2C4R7J	RD 4.7 J 1/8W	
R138			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R139			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R140			RK73EB2B222J	CHIP R 2.2K J 1/8W	
R141			RK73FB2A104J	CHIP R 100K J 1/10W	
R142,143			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R144			RK73EB2B101J	CHIP R 100 J 1/8W	
R145,146			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R147			RK73EB2B101J	CHIP R 100 J 1/8W	
R148			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R150			RK73FB2A273J	CHIP R 27K J 1/10W	
R151			RK73FB2A473J	CHIP R 47K J 1/10W	
R160			RK73EB2B331J	CHIP R 330 J 1/8W	
R161			RK73FB2A473J	CHIP R 47K J 1/10W	
R162			RK73FB2A103J	CHIP R 10K J 1/10W	
R163			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R164			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R165			RK73FB2A103J	CHIP R 10K J 1/10W	
R166			RK73FB2A223J	CHIP R 22K J 1/10W	

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# KRC-10R,158R,30R,358R

## PARTS LIST

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(X14-5522-7x)

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
R168			RK73FB2A223J	CHIP R 22K J 1/10W	
R169			RK73FB2A822J	CHIP R 8.2K J 1/10W	
R170			RK73FB2A113J	CHIP R 11K J 1/10W	
R171			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R172			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R173			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R174			RK73FB2A182J	CHIP R 1.8K J 1/10W	
R175			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R176			RK73FB2A561J	CHIP R 560 J 1/10W	
R177			RK73FB2A682J	CHIP R 6.8K J 1/10W	
R178			RK73FB2A473J	CHIP R 47K J 1/10W	
R179			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R180			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R181			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R183			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R184			RK73FB2A470J	CHIP R 47 J 1/10W	
R185			RK73FB2A473J	CHIP R 47K J 1/10W	
R186			RK73FB2A103J	CHIP R 10K J 1/10W	
R190			RK73FB2A103J	CHIP R 10K J 1/10W	
R191			RK73FB2A823J	CHIP R 82K J 1/10W	
R192			RK73FB2A103J	CHIP R 10K J 1/10W	
R193			RK73FB2A104J	CHIP R 100K J 1/10W	
R194			RK73FB2A153J	CHIP R 15K J 1/10W	
R195			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R196			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R197			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R198			RK73FB2A103J	CHIP R 10K J 1/10W	
R199			RK73FB2A272J	CHIP R 2.7K J 1/10W	
R200			RK73FB2A563J	CHIP R 56K J 1/10W	
R201-204			RK73FB2A103J	CHIP R 10K J 1/10W	
R205			RK73FB2A220J	CHIP R 22 J 1/10W	
R210			RK73FB2A220J	CHIP R 22 J 1/10W	
R211			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R212			RK73FB2A750J	CHIP R 75 J 1/10W	
R213			RK73FB2A223J	CHIP R 22K J 1/10W	
R214			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R215			RK73EB2B470J	CHIP R 47 J 1/8W	
R216			RK73FB2A101J	CHIP R 100 J 1/10W	
R217			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R218			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R219			RK73FB2A752J	CHIP R 7.5K J 1/10W	
R220			RK73FB2A101J	CHIP R 100 J 1/10W	
R221			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R222			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R225			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R226			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R230			RD14DB2H332J	SMALL-RD 3.3K J 1/2W	
R231			RD14BB2C123J	RD 12K J 1/6W	
R232,233			RD14BB2C103J	RD 10K J 1/6W	
R234			RD14BB2C433J	RD 43K J 1/6W	
R235			RD14BB2C752J	RD 7.5K J 1/6W	
R236			RK73EB2B472J	CHIP R 4.7K J 1/8W	
R237			RK73EB2B331J	CHIP R 330 J 1/8W	
R238			RK73FB2A103J	CHIP R 10K J 1/10W	
R239			RK73FB2A222J	CHIP R 2.2K J 1/10W	

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
R240			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R241			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R242			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R249			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R253			RK73FB2A153J	CHIP R 15K J 1/10W	30RA/G
R253			RK73FB2A153J	CHIP R 15K J 1/10W	358RA/G
R254,255			RK73FB2A102J	CHIP R 1.0K J 1/10W	30RA/G
R254,255			RK73FB2A102J	CHIP R 1.0K J 1/10W	358RA/G
R256			RK73FB2A103J	CHIP R 10K J 1/10W	
R257			RK73FB2A392J	CHIP R 3.9K J 1/10W	10RA/G
R257			RK73FB2A392J	CHIP R 3.9K J 1/10W	158RA/G
R257			RK73FB2A432J	CHIP R 4.3K J 1/10W	30RA/G
R257			RK73FB2A432J	CHIP R 4.3K J 1/10W	358RA/G
R261,262			RK73FB2A223J	CHIP R 22K J 1/10W	
R263			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R264			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R270-277			RK73EB2B2R2J	CHIP R 2.2 J 1/8W	
R300			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R303			RD14DB2H102J	SMALL-RD 1.0K J 1/2W	
R304			RK73FB2A103J	CHIP R 10K J 1/10W	
R307			RK73FB2A123J	CHIP R 12K J 1/10W	
R312			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R313			RK73FB2A241J	CHIP R 240 J 1/10W	
R351			RD14BB2C470J	RD 47 J 1/6W	30RA/G
R351			RD14BB2C470J	RD 47 J 1/6W	358RA/G
R352,353			RK73FB2A104J	CHIP R 100K J 1/10W	30RA/G
R352,353			RK73FB2A104J	CHIP R 100K J 1/10W	358RA/G
R354			RD14BB2C472J	RD 4.7K J 1/6W	30RA/G
R354			RD14BB2C472J	RD 4.7K J 1/6W	358RA/G
R355-358			RD14BB2C102J	RD 1.0K J 1/6W	30RA/G
R355-358			RD14BB2C102J	RD 1.0K J 1/6W	358RA/G
R359			RD14BB2C470J	RD 47 J 1/6W	30RA/G
R359			RD14BB2C470J	RD 47 J 1/6W	358RA/G
R360			RD14BB2C102J	RD 1.0K J 1/6W	30RA/G
R360			RD14BB2C102J	RD 1.0K J 1/6W	358RA/G
R361			RK73FB2A104J	CHIP R 100K J 1/10W	30RA/G
R361			RK73FB2A104J	CHIP R 100K J 1/10W	358RA/G
VR1			R12-0679-05	TRIMMING POT. (22K)	
D2			DA204K	DIODE	
D3 -5			1SS133	DIODE	
D15			AM01Z	DIODE	
D15			ERA15-01	DIODE	
D16			UZ-12BS(B)	ZENER DIODE	
D17 -24			UZ-6.2BS(B)	ZENER DIODE	30RA/G
D17 -24			UZ-6.2BS(B)	ZENER DIODE	358RA/G
D25 -28			DA204K	DIODE	30RA/G
D25 -28			DA204K	DIODE	358RA/G
D29			RM10ZLF	DIODE	
D30			UZL-7(L3)	ZENER DIODE	
D31			AM01Z	DIODE	
D31			ERA15-01	DIODE	
D32			1SS133	DIODE	
D34			DAP202K	DIODE	

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# KRC-10R,158R,30R,358R

## PARTS LIST

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(X14-5522-7x)

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
D34			MA152WA	DIODE	
D36			1SS133	DIODE	
D38			1SS133	DIODE	
D40 ,41			1SS133	DIODE	
D42			UZ-5.1BS(B)	ZENER DIODE	
D44			AM01Z	DIODE	
D44			ERA15-01	DIODE	
D45			1SS133	DIODE	
D47 ,48			1SS133	DIODE	
D50			1SS133	DIODE	
IC1			ST7285A5Q6ACLM	MI-COM IC	
IC2			TDA7420	ANALOGUE IC	
IC3			BA3917-V4	ANALOGUE IC	
IC4	1D	*	TA8251AH	ANALOGUE IC	30RA/G
IC4	1D	*	TA8251AH	ANALOGUE IC	358RA/G
IC4	1D	*	TA8255AH	ANALOGUE IC	10RA/G
IC4	1D	*	TA8255AH	ANALOGUE IC	158RA/G
IC5			TC4V66F	IC	
IC6		*	LC72146M	MOS-IC	
IC7			NJM4565M-TE2	ANALOGUE IC	
IC8			PST9137NR	ANALOGUE IC	
Q1			2SC2412K	TRANSISTOR	
Q1			2SD601A	TRANSISTOR	
Q2			DTA124EK	DIGITAL TRANSISTOR	
Q2			UN2112	DIGITAL TRANSISTOR	
Q3			DTC124EK	DIGITAL TRANSISTOR	
Q3			UN2212	DIGITAL TRANSISTOR	
Q4 ,5			DTC143TK	DIGITAL TRANSISTOR	158RA/G
Q4 ,5			DTC143TK	DIGITAL TRANSISTOR	358RA/G
Q4 ,5			UN2216	DIGITAL TRANSISTOR	158RA/G
Q4 ,5			UN2216	DIGITAL TRANSISTOR	358RA/G
Q6			DTC114YK	DIGITAL TRANSISTOR	
Q6			UN2214	DIGITAL TRANSISTOR	
Q7			2SA1037K	TRANSISTOR	
Q9 ,10			2SK536	FET	
Q12			2SA1037K	TRANSISTOR	
Q13 ,14			DTC124EK	DIGITAL TRANSISTOR	
Q13 ,14			UN2212	DIGITAL TRANSISTOR	
Q15 -19			2SC2412K	TRANSISTOR	
Q15 -19			2SD601A	TRANSISTOR	
Q20			DTC114TK	DIGITAL TRANSISTOR	
Q20			UN2215	DIGITAL TRANSISTOR	
Q21			DTA124EK	DIGITAL TRANSISTOR	
Q21			UN2112	DIGITAL TRANSISTOR	
Q22			2SA1037K	TRANSISTOR	
Q23			2SC2412K	TRANSISTOR	
Q23			2SD601A	TRANSISTOR	
Q24			DTC144EK	DIGITAL TRANSISTOR	
Q24			UN2213	DIGITAL TRANSISTOR	
Q27			DTC114YK	DIGITAL TRANSISTOR	
Q27			UN2214	DIGITAL TRANSISTOR	
Q28			2SB1443	TRANSISTOR	
Q29			2SC2412K	TRANSISTOR	
Q29			2SD601A	TRANSISTOR	
Q30			2SB1184	TRANSISTOR	

Refer. No.	A d d	N e w	Parts No.	Description	Model Name KRC-
Q35			2SC2412K	TRANSISTOR	
Q35			2SD601A	TRANSISTOR	
Q36			2SD1760	TRANSISTOR	
Q37			DTC144EK	DIGITAL TRANSISTOR	
Q37			UN2213	DIGITAL TRANSISTOR	
Q38			2SA1037K	TRANSISTOR	
Q39			DTC144EK	DIGITAL TRANSISTOR	30RA/G
Q39			DTC144EK	DIGITAL TRANSISTOR	358RA/G
Q39			UN2213	DIGITAL TRANSISTOR	30RA/G
Q39			UN2213	DIGITAL TRANSISTOR	358RA/G
Q40			DTC114YK	DIGITAL TRANSISTOR	
Q40			UN2214	DIGITAL TRANSISTOR	
Q41			DTA124EK	DIGITAL TRANSISTOR	158RA/G
Q41			DTA124EK	DIGITAL TRANSISTOR	358RA/G
Q41			UN2112	DIGITAL TRANSISTOR	158RA/G
Q41			UN2112	DIGITAL TRANSISTOR	358RA/G
Q42			DTA124EK	DIGITAL TRANSISTOR	
Q42			UN2112	DIGITAL TRANSISTOR	
Q43			DTC144EK	DIGITAL TRANSISTOR	
Q43			UN2213	DIGITAL TRANSISTOR	
Q44			2SC2412K	TRANSISTOR	
Q44			2SD601A	TRANSISTOR	
Q45			DTC114YK	DIGITAL TRANSISTOR	
Q45			UN2214	DIGITAL TRANSISTOR	
Q47			DTA124EK	DIGITAL TRANSISTOR	30RA/G
Q47			DTA124EK	DIGITAL TRANSISTOR	358RA/G
Q47			UN2112	DIGITAL TRANSISTOR	30RA/G
Q47			UN2112	DIGITAL TRANSISTOR	358RA/G
Q48			DTA124EK	DIGITAL TRANSISTOR	
Q48			UN2112	DIGITAL TRANSISTOR	
Q49			DTC144EK	DIGITAL TRANSISTOR	
Q49			UN2213	DIGITAL TRANSISTOR	
TH1			NT732ATD33KJ	THERMISTOR	
A1	2D	*	W02-1573-05	FM/AM FRONT-END	
<b>CASSETTE MECHA. ASSY (D40-1088-05)</b>					
1	2A	*	A10-4328-08	CHASSIS CALKING ASSY	
4	3B	*	J26-4017-08	PRINTED WIRING BOARD ASSY	
5	2A	*	J21-7778-08	MOUNTING HARDWARE	
6	2B	*	D10-4091-08	SLIDER	
7	2B	*	D13-1323-08	GEAR	
9	2B	*	D10-4092-08	ARM ASSY	
10	2A	*	D10-4093-08	ARM ASSY	
12	3A	*	A11-0930-08	SUB CHASSIS CALKING ASSY	
14	3A	*	J26-4018-08	PRINTED WIRING BOARD ASSY	
16	1B	*	G01-2826-08	TORSION COIL SPRING	
17	1A	*	D10-4094-08	SLIDER	
18	1B	*	D10-4095-08	SLIDER	
19	1A	*	D10-4096-08	ARM	
20	1A	*	J19-4736-08	HOLDER ASSY	
22	2A	*	G01-2827-08	TENSION COIL SPRING	
23	2A	*	D10-4097-08	LEVER	
25	2B	*	D10-4098-08	SLIDER	
26	2B	*	G09-2019-08	SPRING	
31	3A	*	D01-0608-08	FLYWHEEL ASSY	

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 indicates safety critical components.



# KRC-10R, 158R, 30R, 358R

## SPECIFICATIONS

Specifications subject to change without notice.

### FM tuner section

Frequency range (50 kHz Space)	87.5 MHz – 108.0 MHz
Usable sensitivity (S/N = 26dB)	0.7 $\mu$ V/75 $\Omega$
Quieting Sensitivity (S/N = 46dB)	1.6 $\mu$ V/75 $\Omega$
Frequency response ( $\pm 3.0$ dB)	30 Hz – 15 kHz
Signal to Noise ratio (MONO)	68 dB
Selectivity (DIN) ( $\pm 400$ kHz)	$\geq 80$ dB
Stereo separation (1 kHz)	35 dB

### MW tuner section

Frequency range (9 kHz Space)	531 kHz – 1611 kHz
Usable sensitivity (S/N = 20dB)	30 $\mu$ V

### LW tuner section

Frequency range	153 kHz – 281 kHz
Usable sensitivity (S/N = 20dB)	45 $\mu$ V

### Cassette player section

Tape speed	4.76 cm/sec.
Wow & Flutter (WRMS)	0.12 %
Frequency respons (120 $\mu$ s)	30 Hz – 14 kHz ( $\pm 3$ dB)
Separation (1 kHz)	40 dB
Signal to Noise ratio	54 dB

### Audio section

Maximum output power	
(KRC-358, 30RG/RA)	25 W $\times$ 4
(KRC-158, 10RG/RA)	20 W $\times$ 4
Output power (DIN 45324, +B=14.4 V)	
(KRC-358, 30RG/RA)	18 W $\times$ 4
(KRC-158, 10RG/RA)	16 W $\times$ 4
Tone action	
Bass:	100 Hz $\pm 10$ dB
Treble:	10 kHz $\pm 10$ dB
Preout level / load	
(KRC-358RG/RA, 158RG/RA Only)	1800 mV / 10 k $\Omega$
Preout Impedance	
(KRC-358RG/RA, 158RG/RA Only)	$\leq 600 \Omega$

### General

Operating voltage	14.4 V (11 – 16 V allowable)
Current consumption	
(KRC-358RG/RA, 30RG/RA)	7.5 A at Rated power
(KRC-158RG/RA, 10RG/RA)	7.0 A at Rated power
Installation size (W $\times$ H $\times$ D)	182 $\times$ 53 $\times$ 154 mm
Weight	1400 g

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